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THIS WEEK'S NEWS

THE BOARD of the Cathedral Church of St. Anne, Belfast, has finally approved plans prepared by Nicholson and Rushton, F. and L.R.I.B.A., for the completion of the cathedral. The building programme is divided into five stages and it is hoped that the first stage will soon be under construction. The proposals are described and illustrated. *p.* 354

THE SOCIAL PROBLEMS of housing, with emphasis on the problem family, were outlined by Mr. Arthur Collis at a meeting of the Housing Centre in London. Mr. Collis reported that investigations had shown that the problem family was not always living in the worst housing conditions. *p.* 357

"IT IS HIGH TIME," writes Mr. Maxwell Aylwin in a letter to the Editor, "that those who care for architecture should raise their voices against the insidious influences which are taking charge of the profession, so that it may again become apparent that architecture is something more than a jig-saw puzzle with an inevitably ingenious solution . . ." *p.* 358

THE FIRST BUILDING in the London area to incorporate prestressed concrete as a structural material, at Queen Mary College, Mile End, is now being erected. The work is described and illustrated. *p.* 367

A BRITISH MANUFACTURER'S experience in planning a sales campaign in Canada for earth-moving equipment has been described by Mr. Philip D. Priestman, of Hull. *p.* 375

MR. R. R. COSTAIN, C.B.E., President of the London Master Builders' Association, has urged builders to remember that the better they work and the quicker they work, the greater is their chance of persuading the Government to increase the size of the programme it allocates to the building industry. *p.* 377

WHITHER ARCHITECTURE?

IN a thoughtful letter which we publish this week a valued correspondent, Mr. G. Maxwell Aylwin, gives expression to a widely felt dissatisfaction with the trend of contemporary architecture. It is easy enough to say that his views are old-fashioned, representing, as he himself puts it, "the instinctive conservatism of advancing years"—the inevitable conflict between youth and experience—but obviously the problem goes much deeper than that.

To the impartial observer all the arts seem to have gone to pieces. In music the grand structural harmonies of Beethoven have given place to mere discordant noise, painful to any sensitive ear; in painting, the fine composition and colour harmonies of the Old Masters are discarded for juvenile scribbles and weird geometrical patterns supposed to represent the artist's state of mind; while in sculpture anything that looks like the real thing is dismissed with contempt by the aesthetes who profess to discover rare aesthetic delight in abstract carvings which to the normal eye look like hideous monstrosities; in poetry, it is fashionable to be vague to the point of obscurity.

The explanation of all this experimentalism in art is, we believe, to be found in the fact that to-day few are capable of doing work comparable with the great achievements of the past. There seems to be a widespread feeling among artists that since it is impossible to excel the Masters in their own sphere the only thing is to do something entirely different. There is also, of course, to-day a general lack of patience, and perhaps also a lack of the ability, to master a technique, and therefore many follow the road of easy experimentalism in the hope of achieving a recognition otherwise unobtainable. Architecture, being a practical constructive art, has not suffered from poseurs to the same extent as the other arts, but in our belief much of the current experimentalism in architecture is ultimately traceable to inefficiency.

On the vexed question of "style" no sensible person would suggest that architecture can stand apart from the general progress of its own time, confined within the bounds of stylistic convention. New and improved materials and methods of construction which contribute to economic building cannot be ignored; they are bound to affect the art of building and it is supremely the task of the architect to see that they are used to satisfactory effect—in other words, to produce architecture.

Our correspondent rightly calls architecture "a beautifying art" and he enumerates as essential to that art the qualities of grace, dignity and fine detail. How often these qualities are absent from contemporary work and particularly from the designs of architectural students! In fact, one has regretfully to share his conclusion that on occasion, "the difference between an architect and an engineer becomes indistinguishable unless it is that the latter is becoming the more convincing."

The remedy, we believe lies largely with the architectural schools. Individuality is the excellent quality, but it should come as a result of years of study, hard work and practical experience. Individual genius is comparatively rare and may be trusted to manifest itself in time. The primary need to-day is for a school of competent architects interested in the production of sound work rather than the pursuit of novelty for its own sake. In Lethaby's oft-quoted words, "No style which is one man deep is worth much, it must be a thousand men deep."

NOTES AND NEWS

Use of Planning Powers

THAT Britain is steadily planning herself to a standstill has become a trite criticism, but such remarks will continue to be made if planning authorities demonstrate too often their power of control over trivialities.

We are thinking in particular, at the moment, of a recent instance in which Surrey Planning Committee, which, of course, is responsible for all development throughout the county, concerned itself with the colour of concrete clothes posts which Richmond council proposes to erect on a new housing estate at Petersham. After pondering on the effect the posts might have on the landscape as viewed from Richmond Hill, the committee ruled that the posts must be coloured "in harmony with the surroundings."

We would not quarrel over that decision, but we do not consider it right that the time of members and highly paid officials of the county council should be taken up in dealing with such a minor point. Surely, details of this kind should be the concern of the local council.

Another fact, which adds absurdity to the situation, is that, while the committee has power to stipulate the colour which the posts must be when they are first erected, it cannot prevent a subsequent owner from repainting them any colour he may choose.

Council of Europe Building

A PRAISEWORTHY ACHIEVEMENT in building organisation which many might well emulate was effected in the erection of the new building in which have been held the recent sessions of the Assembly of the Council of Europe.

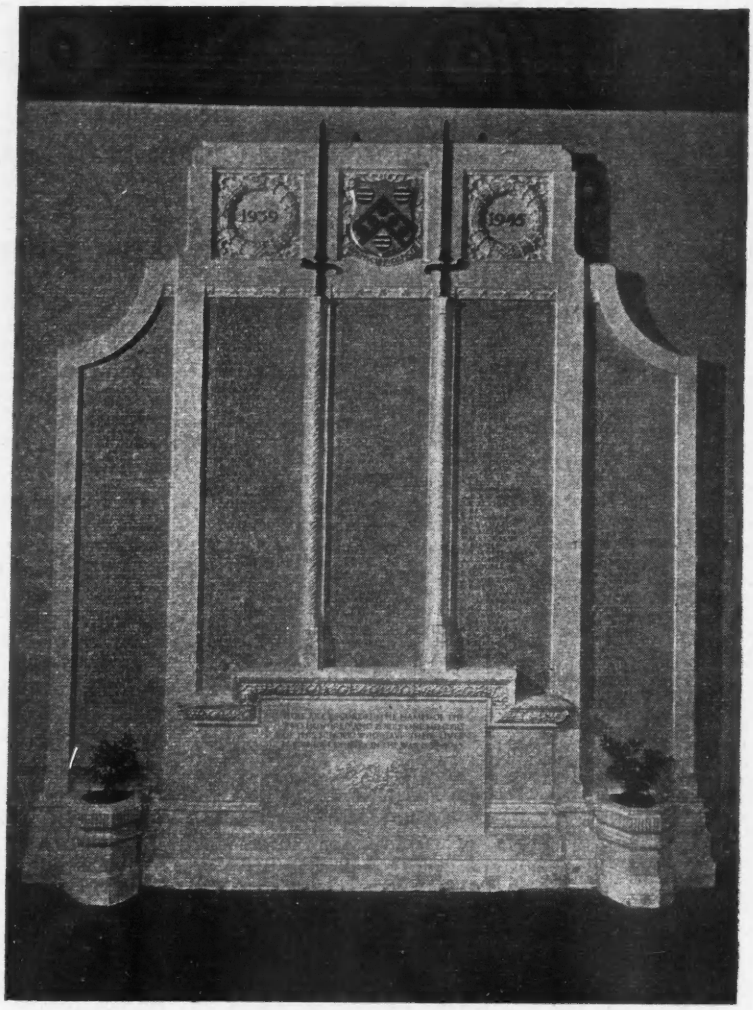
The decision to provide the Consultative Assembly with its own building was taken by the Committee of Ministers on January 10, and work began on the site—a former football ground opposite the Orangerie park on the fringe of Strasbourg—on March 3.

Exactly five months later the building was completed. It is a two-storey structure, shaped like a capital E, of which the central arm accommodates the main debating chamber. On either side are the offices of the secretariat and accommodation for the Press and radio. There are also committee rooms, a library, and a representatives' bar. The architect was M. Bertrand Monnet, whose official position is that of chief architect for historic buildings in the department of the Lower Rhine. The outside is without embellishment except for a circle of white-painted masts close to the main entrance bearing the flags of the nations.

Mediæval Architecture up to date

ARCHITECTURAL STUDENTS who may feel that a study of mediaeval building styles is a waste of time, should think again—particularly if they contemplate going into film art direction. Miss Carmen Dillon, art director of the film "The Browning Version," now being produced at the Pinewood Studios, has told the film correspondent of an evening paper that "the sets are a mixed grill suggested by Eton, Harrow, Winchester and Westminster."

Miss Dillon, no doubt, can thank the A. A. Schools, of which she was a distinguished student some twenty years ago, that she is able to cope with this somewhat unusual problem in design. May we now expect a flood of entries for the Tite?



WAR MEMORIAL, MALVERN COLLEGE.—This War Memorial at Malvern College, designed by Mr. P. W. Hubbard, M.A., F.R.I.B.A., is in Portland stone, the names being carved on five panels of Hopton Wood stone. The contractors were Messrs. H. H. Martyn, of Cheltenham.

Building freed in France

ALL LIMITATION on private building in France was removed last week-end, states *The Daily Telegraph*. Permits must still be obtained so that the authorities can supervise housing development and ensure that safety rules are observed.

T.P. Decision on Paddington Site

THE MINISTER of Town and Country Planning has dismissed the appeal by Paddington Metropolitan Borough Council against the refusal of the L.C.C. to permit the development of a site at Warwick-avenue, Paddington, for housing purposes, on the grounds that it ought to be kept for an open space. At the public inquiry the L.C.C. pointed out that there was a serious shortage of public open space in this area of London, and that the site in question was one of exceptional charm.

The Minister, recognising the Borough Council's need for additional land for housing, discussed this aspect with the Minister of Health and "weighing the two conflicting public interests, both Ministers feel bound to agree with the County Council that this particular site ought to be kept for a public open space." The Minister also considered the suggestion that part of the land should be used for artists' studios, but came to the conclusion that the site was too small to enable any of the land to be spared for that purpose, but that the whole of it should be used for public space.

Higher Salaries for Architects

CONCERNED about the loss of architects to better-paid posts with other authorities, Birmingham Education Committee is offering higher salaries for appointments to its architects' branch.

Positions offered are district architect, senior assistant architects, and architectural assistants and draughtsmen.

Though it hopes to fill vacancies due to resignations, the department is also strengthening the branch to keep pace with the schools' programmes.

Major new projects in hand include a teachers' training college at Knowle and the city's first multi-type school at Garretts Green.

Imperial War Graves

THE Imperial War Graves Commission has approved the design of Mr. Edward

Maufe, R.A., for the Air Forces memorial to be built on Coopers Hill overlooking Runnymede. Among other designs approved are those of Mr. P. D. Hepworth, F.R.I.B.A., for Celle, Soltau, and Hanover war cemeteries in Germany.

The Commission hopes shortly to start the construction of the 1939-45 war cemeteries at Kohima, Imphal, Digboi, Gauhati, Ranchi, Comilla, and Chittagong, and of four new war cemeteries at Delhi, Madras, Kirkee, and Karachi, into which 1939-45 war graves from civil and cantonment cemeteries in India and Pakistan will be moved. War graves will not be moved from Sewri cemetery, Bombay, Bhowanipore cemetery, Calcutta, St. Mary's cemetery, Madras, Nicholson cemetery, Delhi, Rawalpindi cemetery, and the cantonment cemeteries at Meerut and Agra but will be permanently marked and maintained by the Commission.

Exhibition of Work

A SMALL EXHIBITION of water colours and line drawings by W. Curtis Green will be on view in the Members' Room at the R.I.B.A., 66, Portland-place, W.1, from October 2 to 28 (weekdays 10-7, Saturdays 10-5). The Institute feel that many architects will like to take the opportunity of seeing Mr. Curtis Green's drawings.

Town Planners Visits U.S.A.

MR. F. J. OSBORN, chairman of executive of the Town and Country Planning Association, left on September 21 with Mrs. Osborn for a three months' visit to the United States and Canada, at the invitation of the American Institute of Planners and the Community Planning Association of Canada. Besides comparing notes on British and American urban and regional problems with planning authorities and organisations, Mr. Osborn will speak at a number of universities and will also confer with the Federal Housing and Planning Administrations at Washington.

Stevenage New Town

APPLICATIONS ARE INVITED for the post of Deputy Chief Architect in the Department of Architecture and Planning. Salary £1,250 to £1,500 per annum. Details advertised elsewhere in this issue.

Deputy Borough Architect, Lewisham

LEWISHAM BOROUGH COUNCIL invite applications for the post of Deputy Borough Architect. The salary will be £900 per annum rising to £1,060. Details are advertised elsewhere in this issue.

Army Architect's Appointment

MR. J. H. HERRING, of Darlington, who has been chief architectural assistant to the Commander, Royal Engineers, Catterick Camp, since 1937, has been promoted to take charge of the architectural department, Headquarters, Scottish Command, Edinburgh.

An Architect's Estate

MR. CLEMENT STRETTON, of The Brackley, Knighton-road, Leicester, a former president of the Leicester Society of Architects, left £47,300.

London Builders' Foremen's Dinner

MR. NIGEL HANNEN, F.I.O.B., the chairman, will preside at the annual dinner of the London Association of Builders' Foremen and Clerks of Works, to be held in the Cafe Royal, W.1, on Tuesday, October 31. It is hoped that many connected with the building industry will support this most deserving cause by giving donations or by taking tickets. The latter, price 30s. each, are obtainable from Mr. A. G. Raven, 17, Cambalt-road, S.W.15.

LOW COST HOUSING

"The Builder" to organise an Architectural Competition

IN recent months there has been a steadily growing body of opinion that the cost of building is proving a crippling handicap to the national rehousing programme. Not only is the high cost of construction placing an increasingly heavy load on the national exchequer and on the rates, but the rents charged, even allowing for subsidy, are often beyond the means of the very people for whom these publicly-assisted homes are intended.

While "The Builder" holds firmly to the view that the cost of housebuilding will not be materially reduced until private enterprise building is allowed once more a fair share of the programme, it believes that it is possible to effect a considerable capital saving by reviewing the housing standards laid down by the Ministry of Health and by building a proportion of houses with smaller rooms and different layout but of not less high constructional quality, which could be erected both more cheaply and quickly than the houses now being erected by local authorities. As Mr. Lionel Heald, M.P., has recently written to "The Times": "The man living in a disused Army hut . . . would rather have 600 houses built in his area for £900 each than 400 for £1,350 each, and he simply refuses to believe that a house amply good enough for his family cannot be built for £900. What evidence is there that he is wrong?"

"The Builder" believes it should be possible to design a comfortable, soundly constructed house which, if erected in numbers, can be erected for under £1,000, and has pleasure in announcing that it proposes to conduct an architectural competition for designs of a low-cost house, thus following a precedent set by itself after the 1914-18 war. The competition will be open to all architects on the A.R.C.U.K. Register so that the full resources of the architectural profession can be mobilised in seeking a solution of this urgent national problem.

Full details of conditions, assessors, premiums, etc., will be published within the next few weeks.

Professional Announcements

MR. ERVIN KATONA, A.R.I.B.A., 23, Old Burlington-street, London, W.1, announces that his new telephone number is Grosvenor 1907-8.

MR. PHILIP G. IDLE, L.R.I.B.A., F.I.A.A. and S., of 41, Grosvenor-road, Aldershot, announces that he has acquired the practice formerly carried on at that address by Mr. H. G. Baker, L.R.I.B.A., F.R.I.C.S., who has retired. Trade catalogues, etc., will be welcome.

MESSRS. ALAN B. WOOD AND A. ROBERT WEIR, quantity surveyors, 6a, Princes-street, Hanover-square, W.1, announce that they now have a branch at Waterloo House, 2, Hastings-street, Leicester, and would be pleased to receive trade catalogues.

COMING EVENTS

Monday, October 2

R.I.B.A.—Opening of exhibition of water colours and line drawings by Mr. W. Curtis Green, R.A., F.R.I.B.A. 66, Portland-place, W.1. Continuing until October 28. (Weekdays, 10 a.m. to 7 p.m.; Saturdays, 10 am. to 5 p.m.)

MINISTRY OF WORKS.—Opening by the Rt. Hon. Lord Morrison, Parliamentary Secretary, Ministry of Works, of a building exhibition. Morsmith Garage, Frederick-street, Cardiff. 2.30 p.m. Continuing until October 7.

Tuesday, October 3

LONDON ASSOCIATION OF STONE MASONS.—Prize Distribution to Apprentices. 47, Bedford-square, W.C.1. 2.30 p.m.

Wednesday, October 4

ILLUMINATING ENGINEERING SOCIETY (SWANSEA GROUP).—"Church and Chapel Lighting," by Mr. L. C. Rettig. 4, Northampton-gardens, Swansea, 5.45 p.m.

WALLBOARD IMPORTERS', DISTRIBUTORS' AND MERCHANTS' ASSOCIATION OF THE UNITED KINGDOM.—A.G.M. Glenburn Hotel, Rothesay, Bute. 2.30 p.m.

Thursday, October 5

CHARTERED AUCTIONEERS' AND ESTATE AGENTS' INSTITUTE.—Mr. M. F. G. Gibbs, F.R.I.C.S., on "The Work of the Licensed Property Valuer." 29, Lincoln's Inn Fields, W.C.2. 6 p.m.

INSTITUTION OF ELECTRICAL ENGINEERS.—Inaugural address as president by Sir Archibald J. Gill, B.Sc.(Eng.). The Institution, Savoy-place, W.C.2. 5.30 p.m.

ILLUMINATING ENGINEERING SOCIETY (EXETER GROUP).—"Modern Methods of Illumination," by Mr. C. W. Rawlings. Agricultural House, Queen-street, Exeter. 7 p.m.

Friday, October 6

SOUTHERN COUNTIES FEDERATION OF BUILDING TRADES' EMPLOYERS.—A Building Productivity meeting. White Horse Hotel, Dorking. 6.30 p.m.

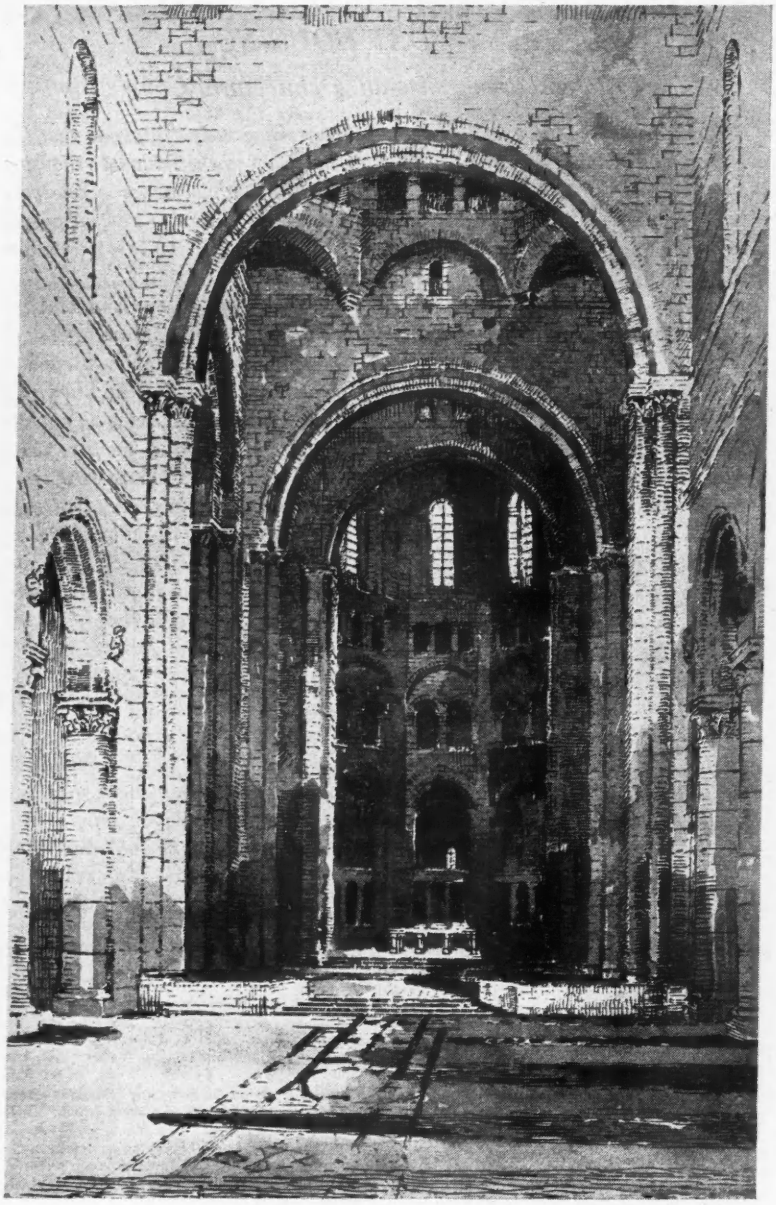
ILLUMINATING ENGINEERING SOCIETY (HUDDERSFIELD GROUP).—"Fluorescent Lighting in the Hospital," by Mr. J. K. Frisby. Electricity Showrooms, Market-square, Huddersfield. 7.15 p.m.

JOINTLESS FLOORING ASSOCIATION.—Second annual dinner and dance. Piccadilly Hotel, W.1. 6.30 p.m.

FROM "THE BUILDER" OF 1850

Saturday, September 28, 1850

SURELY we are a most unfortunate people in regard to our public works and buildings. No matter what the purpose or design; no sooner is it proposed to rear an edifice for the accommodation of the public, the convenience of the State, or the dignity and comfort of the Sovereign, than a thousand querulous pens are instantly called into requisition to thwart and hinder its accomplishment; too often, alas! on good grounds; but as often not. . . (*From a leader.*)



The eastern extension from the nave

Extensions to
THE CATHEDRAL CHURCH OF ST. ANNE, BELFAST

NICHOLSON AND RUSHTON, F. AND L.R.I.B.A., ARCHITECTS

THE accompanying sketches and key plan illustrate the proposals for the completion of the Cathedral Church of St. Anne, Belfast, as finally approved by the Cathedral Board. Minor details may be reconsidered during construction, but, broadly speaking, the illustrations give the correct outline of the completed building.

The building programme, as laid down at the moment, is divided into five stages : (1) The presbytery and Lady Chapel with catacombs under ; (2) the south transept and vestries ; (3) the north transept ; (4) clerestory of crossing ; (5) chapter house and campanile. The first section of the work to be undertaken is the piling and the grillage to carry the superstructure of the presbytery and Lady Chapel. This piling work will occupy the greater part of twelve months to complete in readiness for the building of the superstructure.

The fine nave, some 120 feet long by 40 feet wide, by Sir Thomas Drew, does dictate the lines for designing the extensions now under review.

The dimensions of the island site are such as to make a very large building quite out of the question, and it is therefore desirable that the architectural character of the work should be such as to distinguish the building as something quite distinct from the church of any ordinary town parish. Of course, its use as a parish church has to be recognised but not at the cost of sacrificing its dignity as a cathedral. The City Surveyor's plan for the development of the cathedral area indicates a fine open space to the north of the cathedral site. The north transept, therefore, becomes an important entrance, although a secondary one as compared with the western. The south entrance is slightly less important than the northern one. The chapter house is arranged to utilise the lower stage of a part of the building, which requires to be lofty in order to accommodate bells in the most efficient manner. The bell chamber is designed to take a heavy peal of not less than eight.

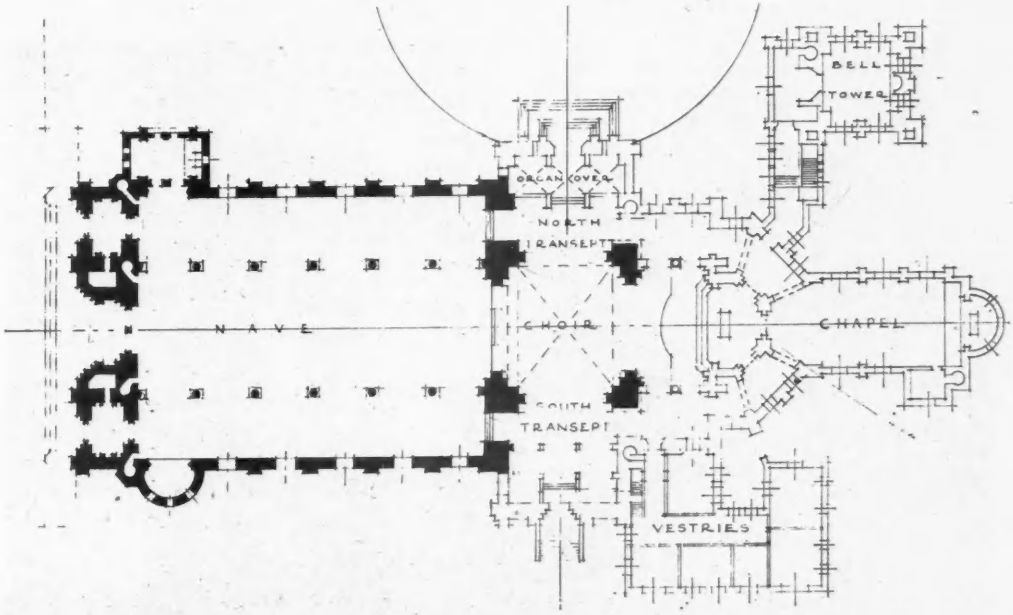
A library is planned over the chapter house, approached by lift, and lavatories are arranged in the basement. The organ is in the north transept with the console at floor level, possibly placed at the north-west of the crossing facing east.

Internally, the stone-faced walls will be in Ham Hill, and externally, the stonework and facings will be in Portland. There will be scope for the introduction of decorative features by way of Irish marbles in pavings, etc., carvings and mosaic work.

It may be interesting to note the dimensions of the completed building. The length of the present nave is 120 feet plus 45 feet for the crossing and 128 feet of new building to cover the chapel, giving a total length from the west door of nave to the apse of eastern chapel of 293 feet. The height of the present nave is 72 feet to the tie beam. The new north and south transepts will be 72 feet to the flat oak ceilings and the crossing a height of 104 feet to the oak ceiling. The height of the presbytery is 80 feet, the eastern chapel 35 feet from floor to its ceiling. Externally, the height of the finial over the crossing is 150 feet. The height of the finial of the campanile is 216 feet.

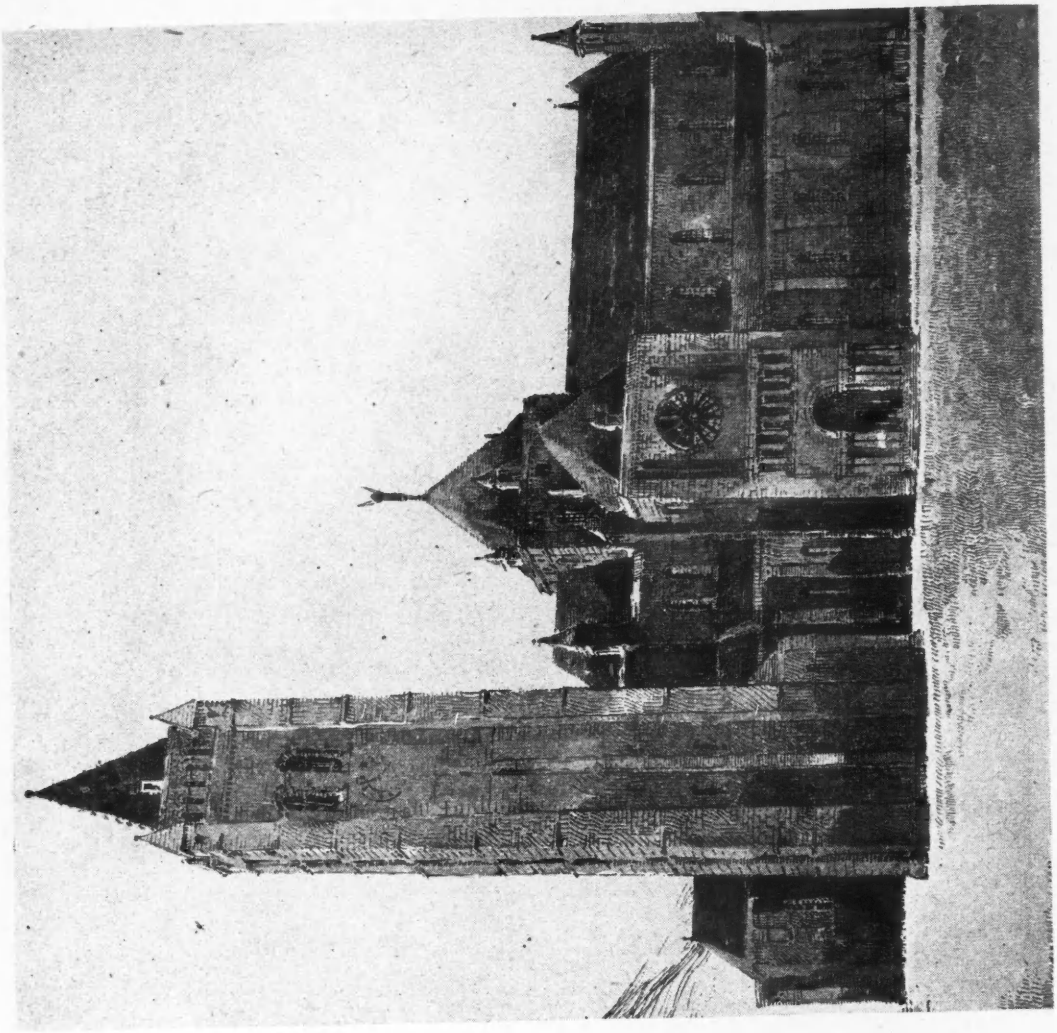
The first section, Stage 1, it is hoped will soon be under active construction. The application for a licence for the piling and grillage to carry the superstructure is with the appropriate authority now, and all is in readiness for an immediate start as soon as the licence for this first stage is published.

View from the south-east

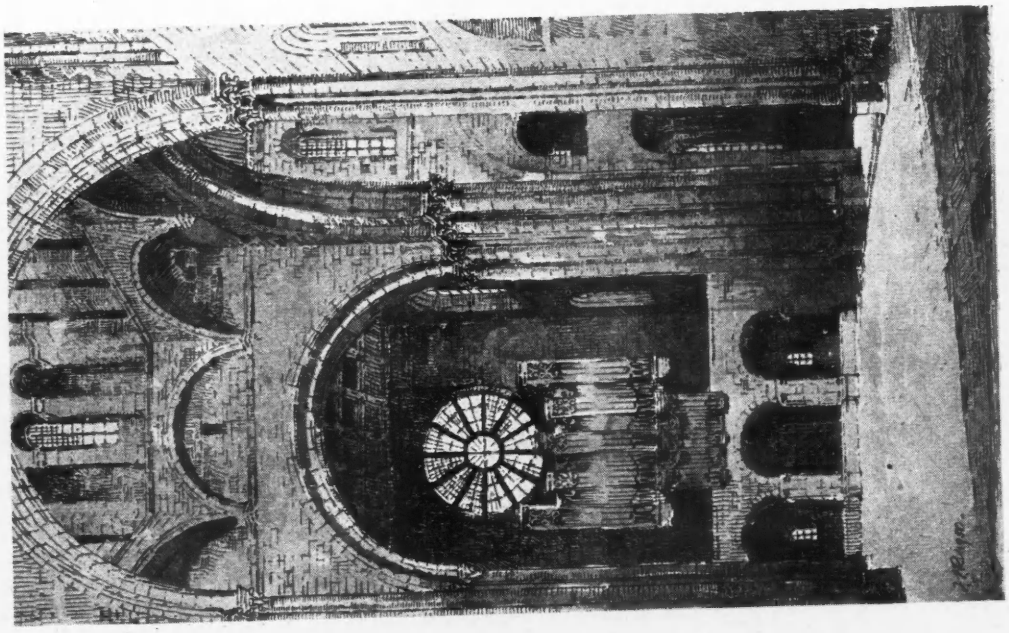


The plan, showing existing structure blacked in

THE CATHEDRAL CHURCH OF ST. ANNE, BELFAST



View from the north-east



The crossing and north transept

SOCIAL PROBLEMS OF HOUSING

Experiences of a Welfare Worker

THE extent to which bad housing conditions are responsible for creating what are commonly known as "problem families" was discussed by MR. ARTHUR COLLIS, a social worker and part author of the book "These Our Children," in a talk at the Housing Centre, London, recently.

Mr. Collis said the hallmark of the problem family was that it was unable to raise itself from the state into which it had fallen, or to benefit from the social services available to it; nor could it improve its standard of living when offered improved living conditions, and assisted materially from outside.

He went on to list some of the things which characterised the problem family: dirt; disease; mismanagement; misspending; children with retarded development, or mentally deficient; non-attendance at school, or persistent lateness; haphazard meals, and little cooking; little furniture, bedding, cooking utensils, crockery, etc. The attitude of these people towards the social services was one of either complete apathy or non-co-operation, and hostility towards interference from outside.

This was the problem which affected the question of housing, both from the point of view of the social worker and from the point of view of the housing authority or house owner who had the problem family living in his property. It was in the attempt of the social worker to get these families rehoused that the social problem and the housing problem impinged on each other.

The causative factors which went to make up the problem family were clearly present in any study, but in the case of any single family it was often difficult to isolate them, and to say which were the main ones. The Pacifist Service Unit at first took the view that each problem family was unique, and that the scientific analysis of causation was no good. The Family Service Unit later came to believe that a more scientific approach to causation was necessary in order to get a more satisfactory basis for diagnosis. The main causes could be listed as: poverty; unemployment; ill health; mental incapacity; large families; lack of education, including poor parental training and guidance; marital and sexual maladjustments; and finally bad housing.

Bad Housing

On the question of bad housing, Mr. Collis said he had talked to many groups up and down the country, and it was surprising that always when this question of causative factors cropped up, someone would be sure to say that the main problem was obvious, and that if the slums were cleared the social problem would not arise. They tended to overlook the fact that it was not just a material, but a human problem. We had perhaps reacted too far from the old idea that people who were given a bath would only use it to keep the coals in it, and we decried the idea that there was a slum outlook or a slum mind; the coals in the bath idea was nonsense, we said, and if people were given good living conditions they would respond to them.

Investigations had shown that the problem family was not always living in the worst conditions. In Rotherham it had been found that nearly half the problem families were in good accommodation, and many had been moved from slum property. Where efforts had been made to mix good and bad tenants in the hopes that the good ones would improve the bad ones, it had been found that this did not happen. The Assistant M.O.H. of Glasgow had told Mr. Collis that 5 per cent. of tenants in new housing from slum property tended to drift back into their old kind of habitat. Mr. Collis was sure that in all efforts at large scale rehousing, there was this small group which would not benefit from the new conditions.

On the other hand, one must bear in mind, the speaker said, that slum life tended to create this type of mind. Clearly, it was difficult for people living in damp, dark, insanitary dwellings, with no sink and perhaps just a tap on the landing, with a dirty factory immediately behind the back yard, to keep their houses, clothes and children clean. And if people were at the same time facing other difficulties, perhaps finding it hard to make ends meet, then they would tend to let things slide, and the worse they got the more they would let them slide.

It was pitiful to see how, as a result of overcrowding, children suffered from lack of sleep. Often they were simply put to bed in an odd corner of the living room, and had to try to sleep while people were talking and smoking round them; or perhaps they had to be moved from one place to another.

All these conditions were effective in adding to the downward slope on which the problem family existed. Nevertheless, there was a tendency to exaggerate the effect of bad housing, and to overlook the fact that cases occurred where housing conditions were good. Equally there was a tendency to forget the numbers of parents who triumphed over bad conditions; where the family morale was high, and the parents of good character, it was amazing to find what fine, healthy children could be reared in terrible conditions.

Overcrowding

Mr. Collis declared that, from the housing point of view, the problem family was a bad and uneconomic tenant, so that the social worker was immediately up against difficulties. Often these people were living in inadequate, poor and overcrowded accommodation, and an effort must be made to get some improvement in their conditions, or to get the family moved. But it was difficult to persuade a local authority or a landlord to accept such tenants, so that the social worker trying to help these people was often at the outset up against an insurmountable problem. It would seem, therefore, that close co-operation must be built up with the local housing authorities, and with house owners and landlords, in order to secure their help in the scheme for rehabilitating these people.

In cases where the problem family was living in poor accommodation, part of the efforts of the Family Service Units to improve family life had been based on helping them in the home. Help was given to the mother or father to clean the house, redecorate the rooms, repair furniture and do mending, and in training the mother in housecraft, expenditure of money and domestic planning.

In such cases, if an approach was made to the housing authority or landlord for permission to carry out repairs, and payment of the materials required, the answer would probably be that the tenant was £20 in arrears with the rent, and in the circumstances the owner could not see his way to do more at the moment. This was a very understandable viewpoint, and all the social worker could do was to put the case to the owner clearly, and seek his co-operation in what was really a social service experiment. Some would then co-operate, but others would not; but if this problem was to be met, then co-operation was essential. In the case of the most urgent repairs, such as a broken cistern or a clogged sink, an approach could be made to the sanitary inspector, and the work done through him.

The speaker's general conclusion was that there was a need for co-operation between housing authorities, social workers and other social service agencies. In Holland an experiment was being tried of decanting problem families into specific areas set aside for the purpose; under close supervision they were supposed to improve. But the social stigma attached to living in such an area, and the antipathy to social workers, were so great that it was hard to keep the families there, and they tended to drift away.

The improvement of housing standards alone was not enough, he said. There must be better educational facilities, more nursery schools, marriage guidance societies, child welfare services and psychiatric clinics to cut the ground from under the problem family in its inevitable growth.

Discussion

A discussion followed in which MR. FLETCHER (housing manager) said he believed the question of housing environment was given too much prominence. Local authorities had been providing accommodation of a good standard, and in that accommodation they had housed the families which they had been forced to house (those who needed accommodation) and there was a percentage of problem families among them. He believed that the real problem of the problem family was how to instil into it a new spirit which would remove it from the category.

There was no urge in them to rise from the conditions into which they had sunk, and it was regrettable to find that, despite all the efforts made to help them, and assistance given in solving their problems for them, that spirit was still wanting. He thought one of the most important things at the moment was to try to find a solution of what might be termed the "problem problem family." A number of local authorities had to evict bad families. His own authority had not yet had to do so, and he was loath to recommend this course. These people were a part of the community, and they had to live somewhere.

It seemed short-sighted simply to get rid of them because they were uneconomic from the authority's point of view. Many authorities looked at it from the other aspect, and thought that the 99 good tenants should not be disturbed by the one bad one. There

was at least a chance of social upgrading as a result of association with better families. Mr. Collis had appeared to doubt this, but speaking from his own experience he would say that in a block of flats, if there were three good families on each landing, there could also be one bad one, without harmful effects; if the ratio was two to two, the thing would not work.

Mr. Collis said he had for a long time thought that by mixing good and bad tenants the bad ones would be improved, but an investigation at Rotherham had proved that this was not the case. In the case of the first group of problem families it was found that an opportunity for improvement often had a good effect. Old memories of better days would be regenerated, and the general standards of the family would tend to improve. But in the case of a family consisting of father and mother, themselves from problem families, and five or six children, all set in bad habits, then he did not think it was enough merely to give the family good accommodation, even if the neighbours were good tenants.

Mixing Good and Bad

MISS TABOR (housing manager) said that an argument for not housing problem families along with others was that the good tenants tended all to turn against the bad ones. This was not an argument for not rehousing them, but for rehousing them by themselves—for instance in a reconditioned house with its own back yard. Mr. Collis said he had seen, in piecing together the history of problem families, that often local authorities and housing associations who rehoused these families had ultimately had to evict them because of complaints from their neighbours. This was a great problem for the authorities. There were schemes now on foot for training certain social workers for work on new estates. He believed the right thing to do was to have some kind of organisation or social service group in contact with families before they were moved, using the move as a prime lever for encouraging a new spirit in the family, preparing the family for the move, and helping it when it had been made.

Mr. Collis agreed that problem families would probably be better in reconditioned rather than new property. When it came to the point, however, they were probably put into the worst of the reconditioned property, which would deteriorate quickly and easily. With three or four children running about, it would not be long before the plaster came off, and the sink came away from the wall, etc., so that there would be the feeling that the family had wrecked the place again within a couple of months. New properties were not ideal for these families, but they should also not be put in too old ones.

Mr. Collis thought the housing authorities were in a very difficult position. In cases where social workers were certain of families they could safely be accepted as tenants. Where they admitted to being doubtful about a family, it was a gamble. If the family did not turn out well, and the property deteriorated, what was the authority to do?

Mr. Fletcher thought an authority would rarely put families not reasonably up to standard into new property, because they did not feel it right that they should be branded as bad from the beginning. From time to time his authority put such families into vacated houses on an old estate, where they had a chance to serve their apprenticeship.

The Dutch system of housing them separately was frowned on by the Ministry, who had made it clear that they could not agree to money being spent on that type of development. These families should be accommodated in normal housing, said the Ministry, with the exception that concrete skirting should be fitted and wooden picture rails omitted.

Mr. Collis said he believed some authorities refused to rehouse people unless they were clear of the arrears of rent in their old accommodation, and in some cases groups had actually approached organisations with charitable funds with a view to helping the family concerned to clear off its arrears. This was a serious difficulty, because it would clearly not be possible to provide this type of help in all cases.

CORRESPONDENCE

Architecture To-day

TO THE EDITOR OF *The Builder*.

SIR,—Many of us, for many years and in many ways, have suffered a sense of disquiet concerning the drift of architecture since 1918. We have yet found it difficult to define our feelings in terms which will express anything more significant than the instinctive conservatism of advancing years, against which every generation of youth has had to contend. The dignified course for those with enough of the divine spark is to retire to Olympus. For those of us upon a lower plane, this escape is denied us, and we find ourselves unhappy in our company and deeply concerned about such future as remains to us.

On one and the same day two passages from the Press caught my attention to make me feel that though publicity may appear to indicate a certain general state of mind, there remains below the surface a substratum of opinion much more related to my own than I would have dared to hope. This is the opening passage of a letter by Mr. James Ross to the *Daily Telegraph* of September 16:—

> "As we appear to live in an age of æsthetic bankruptcy, when confidence in the future of architecture as of other arts *is almost confined to professionals*, it is natural that the thoughts of cultivated people should be turning more and more from new creation in building, to the preservation of what remains of our heritage." (The italics are my own.)

The second passage is from *The Builder* of September 15, quoting from a correspondent's reference to the Central Hall, Westminster, and remarking on the fact that an appreciation of this great building written in *The Builder* 40 years ago would still find agreement among discerning critics. Yet, when public buildings are now the subject of competition, we are urged by assessors to believe that the architecture we must now admire is not merely in a different style, but, if we are to believe our eyes, is a different art, if art at all.

The public of this country is notoriously unreliable in its appreciation of the arts, but there is no doubt that public opinion must have some influence upon the course which the artist sets for himself, and that if he persist in ignoring it he will find himself in a vacuum within which no system of propulsion can function. Mr. Ross's letter gives voice to the subterranean rumblings which are already growing to a significant volume, while your correspondent's remarks add point to the persistent desire which the man with any trace of culture still cherishes for grace, dignity and fine detail in architecture.

Resistance to this dissatisfaction with the meal that is being laid before the public is become as highly organised and as ruthless as anything that is going on behind the Iron Curtain to repress the instincts of free people. It begins in many of the schools, it is insinuated into the Press, and it is being foisted upon the public until the difference between an architect and an engineer becomes indistinguishable unless it is that the latter is becoming the more convincing.

It is high time, surely, that those who care for architecture should raise their voices against the insidious influences which are taking charge of the profession, so that it may again become apparent that architecture is something more than a jig-saw puzzle with an inevitably ingenious solution, but a great beautifying art which has riches to offer to the soul of man. That would be a Renaissance which is long overdue.

G. MAXWELL AYLWIN.

26, West-street, Farnham, Surrey.

Single-storey Buildings

TO THE EDITOR OF *The Builder*.

SIR,—It is illuminating to note that one of the Government's objections to the £500 houses proposed for Dundee (*The Builder*, September 22) is that single-storeyed buildings waste ground. The inhabitants of Tolworth (Surrey) and other places will find cold comfort in this, as they gaze upon the brick-built one-storey Government offices sprawling over what were recently fertile cornfields.

J. M. JENNINGS.

150, Gray's Inn-road, W.C.1.

OBITUARY

J. A. Arnott, F.S.A. (Scot.), F.R.I.B.A.

We regret to record the death of Mr. James Alexander Arnott, F.S.A. (Scot.), F.R.I.B.A., of the firm of Arnott and Inch Morrison, of Edinburgh. Mr. Arnott at one time served on the Council of the R.I.B.A.

Arthur Charles Bunch, F.R.I.B.A.

It is with regret that we record the death, on September 20, at the age of 71, of Mr. Arthur Charles Bunch, F.R.I.B.A., county architect for Warwickshire from 1921 to 1945.

During his term of office as county architect, Mr. Bunch, who was Vice-President of the R.I.B.A. from 1940 to 1944, was responsible for several major works in various parts of the county, but perhaps the most important was the design and supervision of the building of the new County Offices between 1929 and 1932.

In an honorary capacity, Mr. Bunch was responsible for the design and building of Leamington's Art Gallery, in which a number of his own water colours were subsequently hung. In 1949 he was elected a member of the Leamington Town Council.

He leaves a widow and one son, Mr. Arthur Brian Bunch, A.R.I.B.A., who a few weeks ago was appointed Borough Architect and Chief Planning Officer at Southport.

Basil Ionides, F.R.I.B.A.

We regret to record the death, at Brighton, on September 28, after an operation of Mr. Basil Ionides. He was 66.

View of entrance front

ST. LUKE'S (GOVERNMENT) HOSPITAL, MALTA, G.C.

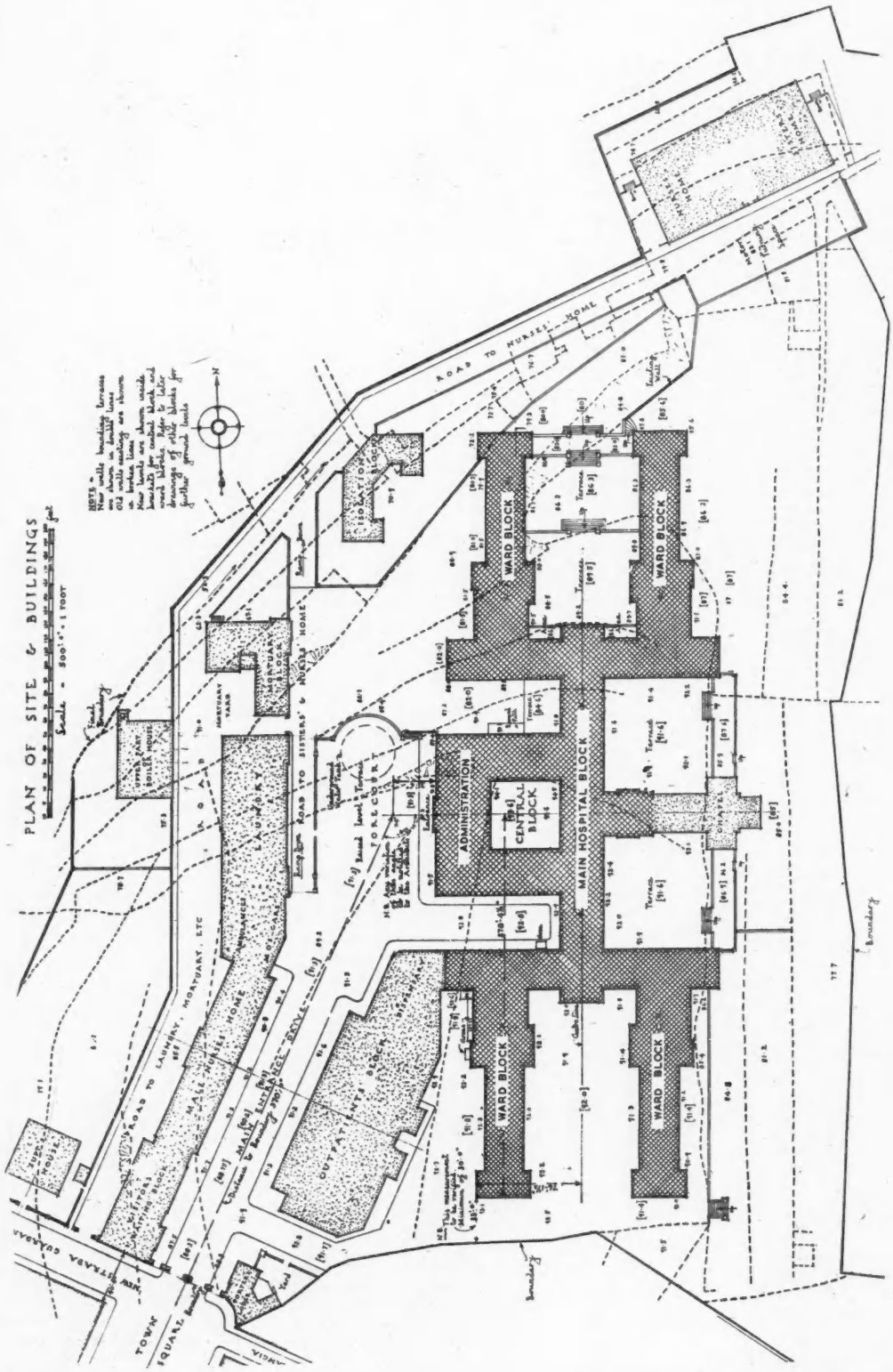
THIS hospital of 540 beds is situated on high ground between Valletta and Sliema, overlooking Marsamxett Harbour and the Mediterranean beyond. The architects prepared plans and details in 1930, and the scheme was put in hand by the Public Works Department; who have supervised the work throughout. The main structure was completed just before the late war and suffered some bomb damage. The hospital has therefore only recently been opened for public service.

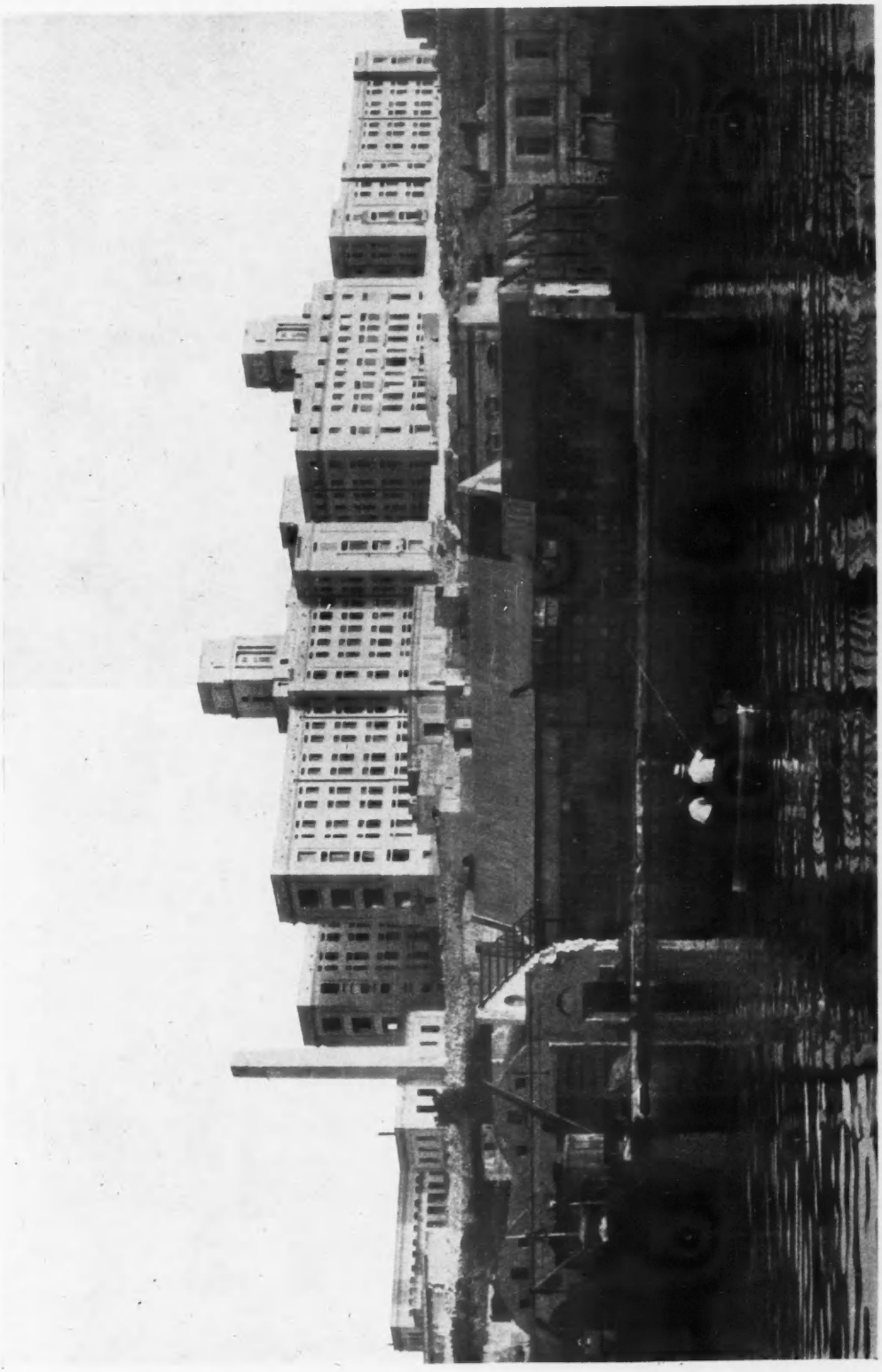
Site.—The site forms the crown of Guardamangia Hill, and is approached from the south-west. The main entrance is on the west front. The centre block which houses administration, operating theatres, kitchens, etc., is five storeys high; the south ward block is of four storeys, and the north ward block of five storeys.

Construction. — The building is constructed in accordance with local practice of solid masonry load-bearing walls throughout. Floors and roofs are constructed of R.S.J.s at approximately 3 ft. centres supporting 3-in. limestone slabs and lime concrete screed. The floors are finished in marble slabs and terrazzo tiles, and the roof in local technique known as "diffone," which is a finish of fine pottery chippings run in milk of lime and ironed smooth, usually by female labour. All stone, except marbles for pavings which come from Italy, is quarried on the island, and worked on the site. The general contractors were Messrs. John Laing and Son, Ltd., Mill Hill, N.W.7, in conjunction with Messrs. N. Zammit and Sons, of Malta.

A typical ward interior

ADAMS, HOLDEN AND PEARSON, FF.R.I.B.A., ARCHITECTS


PLAN OF SITE & BUILDINGS
Scale - 300'-1 FOOT
NOTE:-
ROAD TO NURSES' HOME
ROAD TO SISTERS' & NURSES' HOME
ROAD TO LAUNDRY, MORTUARY, ETC
ADMINISTRATION
CENTRAL BLOCK
MAIN HOSPITAL BLOCK
WARD BLOCK
WARD BLOCK
WARD BLOCK
WARD BLOCK
LAUNDRY
MORTUARY BLOCK
MALE NURSES' HOME
OUTPATIENTS' BLOCK
ISOLATION BLOCK
TOWN SQUARE
Boundary
Boundary



View from the harbour

ST. LUKE'S (GOVERNMENT) HOSPITAL, MALTA. ADAMS, HOLDEN AND PEARSON, FF.R.I.B.A., ARCHITECTS

A view from the north

CHARLES HOUSE, KENSINGTON, W.

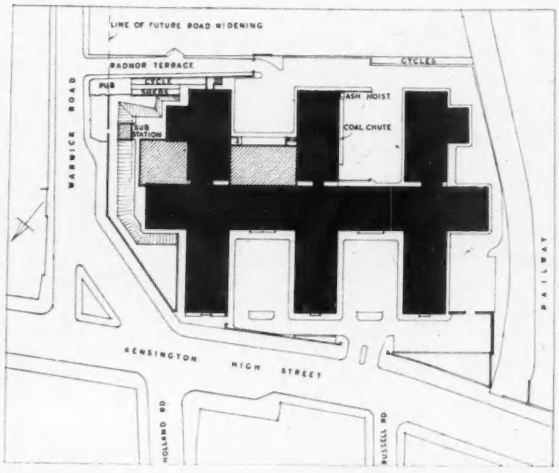
ARTHUR ASH, F.R.I.B.A., ARCHITECT

IN 1946 the L.C.C. was approached for town planning permission to develop this site, at the corner of Kensington High-street and Warwick-road, for offices. At that time it was proposed that the junction of the " B " Ring-road and Kensington High-street should be in the form of a fly-over, with a large portion of the centre of the site occupied by a deep cutting to carry the Ring-road under the High-street. It was not until late in 1948 that this form of crossing was finally abandoned and permission to develop the site was given.

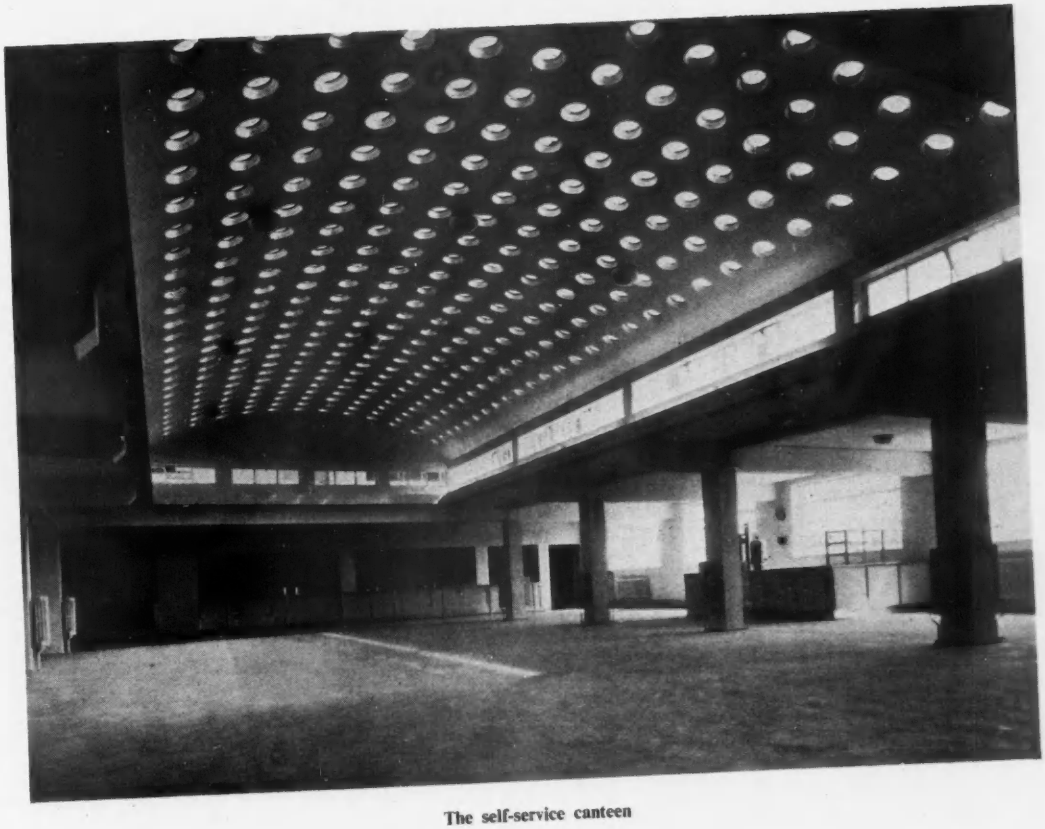
The development consists of a commercial office building of over five and a half million cu. ft. The construction was sponsored by the Ministry of Works, who are taking a long lease of the entire building for use by various Government departments.

The building is planned on an open basis, with a central spine and six projecting wings. Two canteens with a common kitchen are situated in the basement, lit both by windows and glass and concrete barrel vaults, which are believed to be the first of their kind to be approved by any district surveyor in the London area. The offices are generally 20 ft. deep, lit by large windows on a 13 ft. grid. Corridors are 6 ft. wide, lit by borrowed lights above door-head level. The building would accommodate about 4,000 persons.

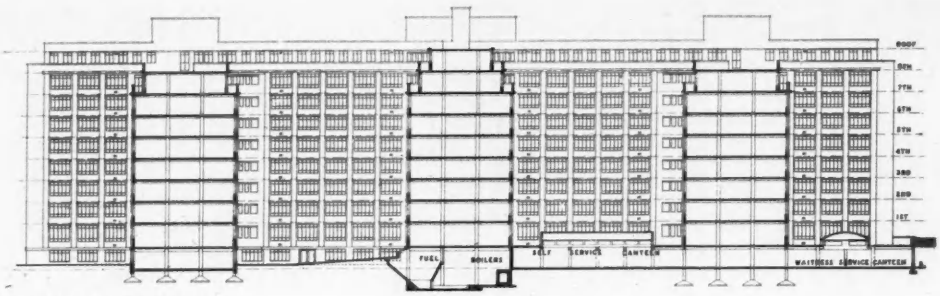
Site clearance commenced early in November, 1948; the reinforced concrete frame, floors and staircases were substantially complete in July, 1949; and the whole building, apart from certain occupational services, details of which were received late, was finished in July, 1950. As a result of the uncertainty of the availability of the site for building while the authorities were making up their minds over the " B " Ring-road, last minute amendments to the requirements of the town planning authority, and all the other irksome factors which constrict the proper organisation of building projects in these times, only $\frac{1}{16}$ in. scale drawings were available when work commenced. This put a great strain on the architect and the consulting engineer, and reflects considerable credit on the contractors. It was fortunate that the general contractors had worked in close co-operation



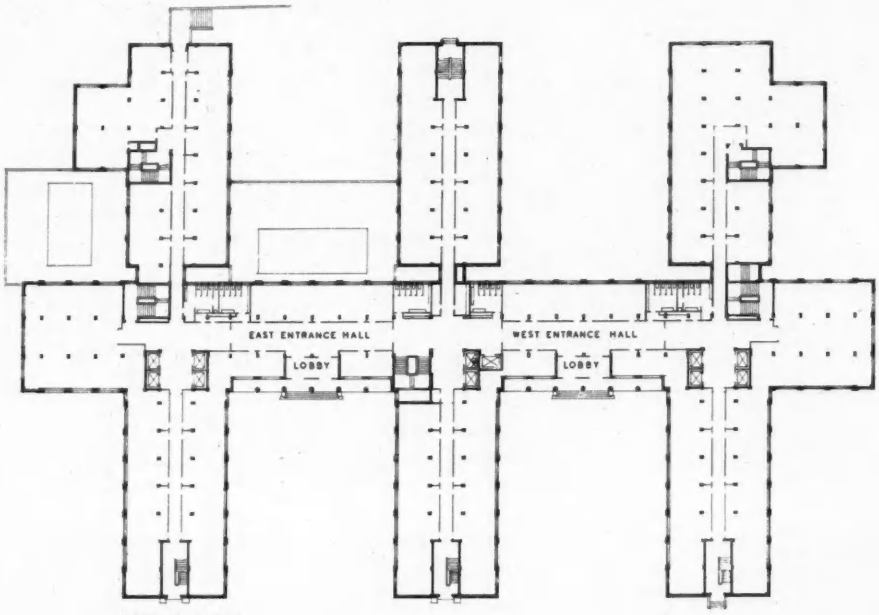
Entrance doors



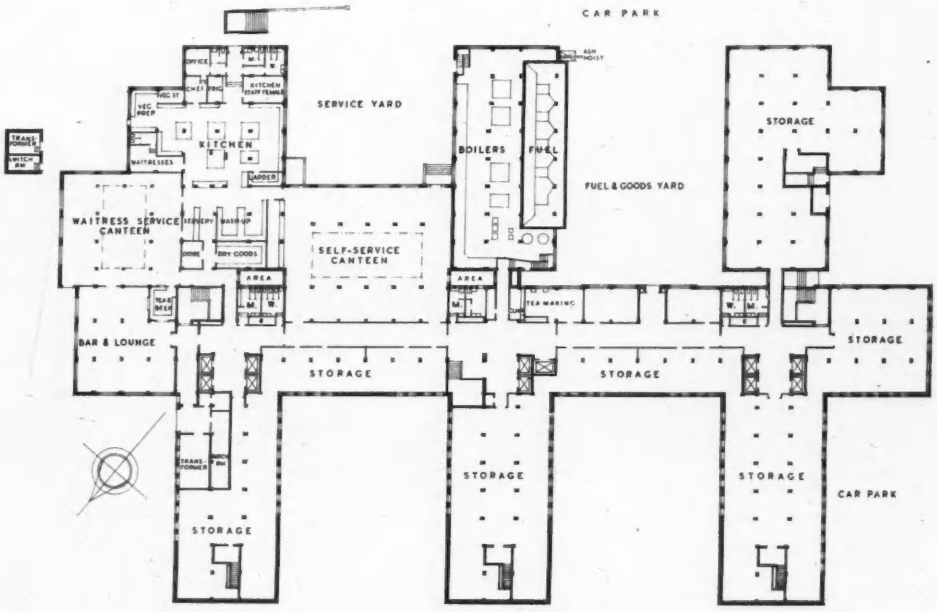
The self-service canteen



LONGITUDINAL SECTION.



GROUND FLOOR



BASEMENT PLAN

with the reinforced concrete engineers on a previous contract of considerable magnitude and thus the liaison between the two was complete and many problems had already been met with before. At peak, 90 bricklayers were employed and a floor of brickwork was being completed in ten days, and the reinforced concrete engineers were completing the structural frame of each floor in under a fortnight.

All detail drawings, specifications and bills of quantities were prepared after the commencement of work, as were all sub-contracts.

The spacious site lent itself admirably to a system of precast reinforced concrete construction already perfected on a previous contract. Briefly, this consisted of casting the beams and staircase flights in two suitably placed casting bays on the ground, and hoisting them as required on to the columns, which were cast *in situ*. The portion of the beam below slab level only was precast, leaving the main reinforcement projecting at the ends, and stirrups projecting from the top surface. A specially devised temporary bracket was fixed to the head of each column, to assist in the accurate placing of the precast beams, the reinforcement of which overlapped at the tops of the columns. When the beams were in place, expanding self-supporting steel shuttering units were placed, resting on the top edges of the precast beams, and leaving a complete level platform on which to place the reinforcement for the floors. When the concrete was poured for the solid floor slabs, this integrated the various reinforcements projecting from the heads of the columns, ends of the beams and the beam stirrups, with that of the floors, to form a monolithic whole. The advantages of this system are: (*a*) Economy in timber for shuttering; for instance, all the flights for four staircases, each rising some 80 ft., were cast from one mould without the necessity for dismantling and remaking each time; (*b*) Speed, by reducing the amount of work to be carried out at high levels under difficult conditions; and (*c*) Organisation, by enabling an enormous stock of completed units to be available well in advance of requirements.

The work carried out in reinforced concrete included both column and wall foundations, retaining walls, coal bunkers, frame, solid floors and roofs, staircases and the water storage tanks. The main walls are of brick, partitions of foamed slag blocks. The roof is insulated by a screed of foamed slag concrete, finished with a built-up covering with cement paving. The windows are of steel, designed to be cleaned from inside, with pressed steel cills. Copings, cornices, window heads and similar elevational features, are of reconstructed Portland stone. The columns to the main entrances are of Griotte marble.

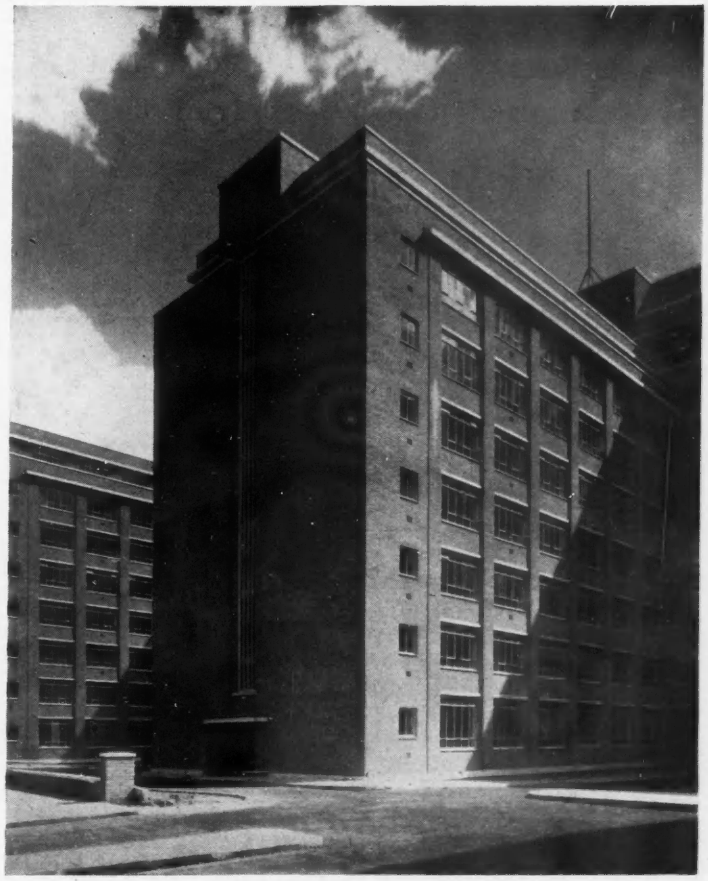
The internal finishes and equipment are conventional in so far as the restrictions in the use of timber would allow. Wood block floors are confined to the canteens. There are one goods and ten passenger lifts.

Heating is by low-pressure hot water, with normal type radiators on a one-pipe system.

In addition to the main contract the general contractors, Messrs. Rowley Bros., Ltd., N.17, carried out the cross partitioning and other occupational services required by the incoming Government departments, with the exception of light fittings and certain specialised items which were ordered by the Ministry of Works direct. They also executed the joinery.

The consulting engineer was Mr. W. V. Zinn, B.Sc., M.I.C.E., and the quantity surveyors, Messrs. Sherwin and Axtell. The Clerk of Works was Mr. P. L. Jewell. The reinforced concrete engineers were Sir Robert McAlpine and Sons, Ltd.

The sub-contractors included: Heating and hot water, Norris Warming Co., Ltd.; boilers, La Mont Steam Generator, Ltd.; lifts, Waygood-Otis, Ltd.; electrical, T. Clarke and Co., Ltd.; plumbing, Dent and Hellyer Sanitation, Ltd.; reconstructed stone, Empire Stone Co., Ltd.; facing bricks, Proctor and Lavender, Ltd.; metal windows, Crittall Manufacturing Co., Ltd.; staircase windows, Lenscrete, Ltd.; flooring, Semtex, Ltd.; wood block floors, Vigers Bros., Ltd.; terrazzo, The Standard Pavements Co., Ltd.; metalwork, S. W. Farmer and Son, Ltd.; entrance doors, J. Starkie Gardiner, Ltd.; marble columns, J. Whitehead and Sons, Ltd.; roofing, Excel Asphalte Co. Ltd.; sanitary fittings, W. N. Froy and Sons, Ltd.; paint, Temple Varnish Co., Ltd.; glass bricks, Pilkington Bros., Ltd.; ironmongery, W. N. Froy and Sons, Ltd., and Wessex Guild; special joinery, D. Burkle and Son, Ltd.; glazing, Aygee, Ltd.; lightning conductors and flagstaff, J. W. Gray and Son, Ltd.; hoists, Vaughan Lift Engineering, Ltd.; and dadoes to lavatories and staircases, Robb's Cement Enamel Finishes, Ltd.



View from the west

CHARLES HOUSE
KENSINGTON, W.

ARTHUR ASH, F.R.I.B.A.
ARCHITECT

A GARAGE AND OFFICE BUILDING AT SOUTHAMPTON

For Messrs. A. E. Cash and Co.

CYRIL A. F. SHEPPARD, L.R.I.B.A., ARCHITECT

THIS building was designed by Mr. C. A. F. Sheppard, L.R.I.B.A., for Messrs. A. E. Cash and Co., haulage contractors, of Southampton, for the garaging and maintenance of vehicles and for housing administrative staff.

Owing to restrictions on controlled materials existing welded roof trusses were used and this controlled the design of the main office building. The use of timber was kept to a minimum.

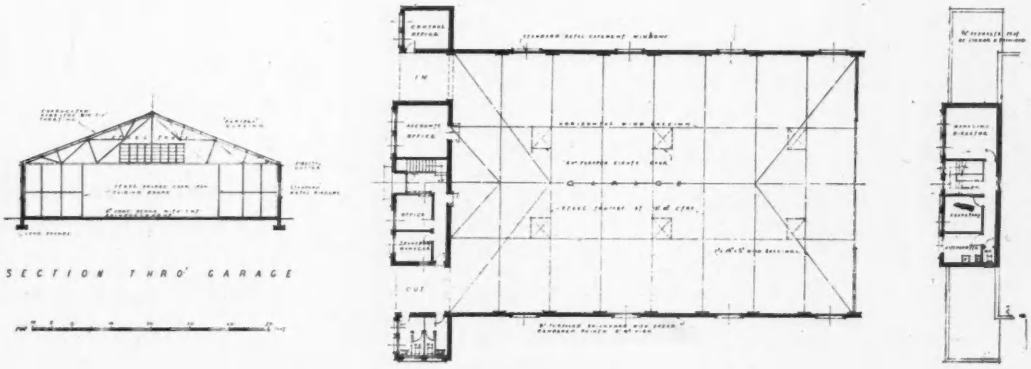
Walls to the main garage are of 9 in. common brickwork with piers. Those to the office block are of 11 in. cavity construction, the outer skin being in Marston multi-colour brickwork.

The first floor and roof to the office block are constructed of precast concrete units, the roof being covered with asphalt. The main roof of the garage is covered with corrugated asbestos sheeting.

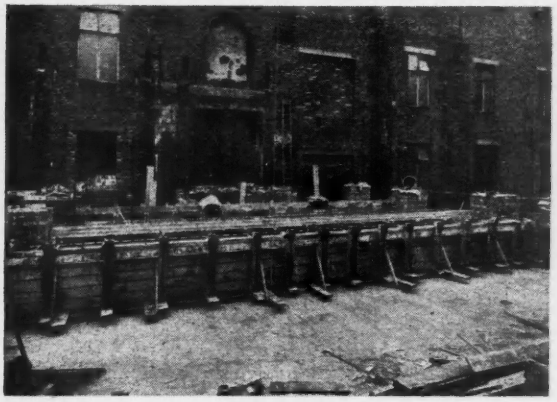
Dressings to the windows of the office block are in artificial stone and floor finishes to the office block are in Accotile and wood block.

The quantity surveyors were Messrs. Shears, Pick and Partners and the general contractors were Messrs. G. E. Pullen and Son, of Southampton.

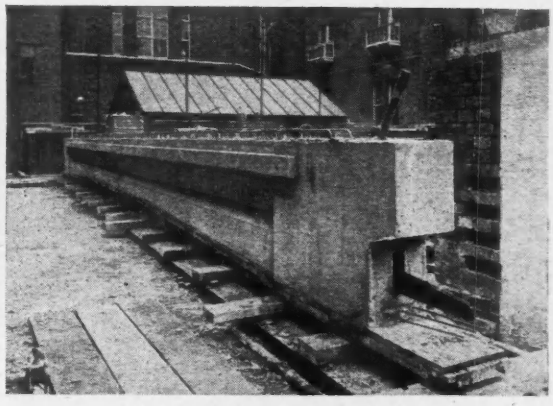
The principal sub-contractors were as follows: Hollow beam floors, Siegwart Floor Co.; electrical installation, R. J. Bullivant and Son; roller shutters, G. Hall and Co.; Accotile flooring, Gabriel, Wade and English, Ltd.; asbestos roofing, Travis and Arnold, Ltd.; and reconstructed stonework, Apex Products, Ltd.



The plans and section



Shuttering for a main beam



Typical main beam before prestressing

NEW BUILDING AT QUEEN MARY COLLEGE, LONDON

First Prestressed Concrete Structure in Metropolitan Area

THE first building in the London area to incorporate prestressed concrete as a structural material, at Queen Mary College, Mile End, is now being erected under the direction of the architect, Mr. Edward Playne, D.S.C., F.R.I.B.A., A.A.Dip., of Messrs. Wornum and Playne.

Queen Mary College, previously known as the East London College, stands adjacent to the People's Palace in the Mile End-road. Its central portion, the main hall, was destroyed by fire in 1931. The new structure is being erected in the resulting space and forms a "cross block" connecting the east and west wings of the main building. The new block will consist of four storeys and a basement and will provide private study rooms or seminars on the ground floor with lecture rooms on the first and second floors and botanical laboratories on the top floor. The roof is also designed to take full superload, as it is anticipated that it will accommodate greenhouses for botanical specimens.

The structural design has been kept extremely simple. In order to reduce the steel requirements to a minimum, brick load-bearing piers are used, together with prestressed concrete main beams and floor units. These expedients resulted in a saving of 75 per cent. in the amount of steel originally required, of which 60 per cent. may be attributed to the use of the prestressing technique in the floor and main beam construction. The main beams are prestressed on the Magnel-Blaton system. The floors consist of precast ribs prestressed by the pre-tension method, in which the transfer of the prestressing force to the concrete is achieved by the bond between the concrete and the steel wire. These ribs support hollow blocks of lightweight concrete, the whole being given a topping which is included in the working depth of the floor. The superimposed load is 100 lb. per sq. ft., plus an allowance of 20 lb. per sq. ft. for partitions, plus finishes.

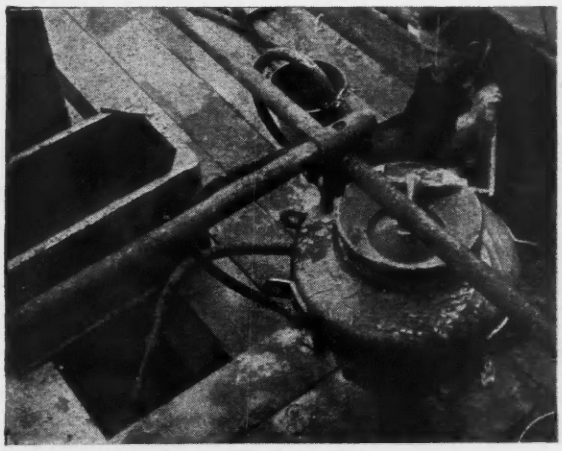
All floor-carrying beams are freely supported on the brick piers. The edge beams between the piers are in traditional reinforced concrete construction. In consideration of wind load the floors have been assumed to be horizontal diaphragms spanning between the existing buildings, the longitudinal axes of which are at right angles to the new structure.

Patent Type of Brickwork

At the north end the new brick piers adjoin an existing structure—the Hatton Lecture Theatre—and to accommodate their foundations a continuous footing incorporating the existing foundation was necessary. This was constructed in reinforced concrete, a novel feature being the introduction of reinforced concrete needles cast *in situ* and pinned into the existing walls with a patent type of engineering brickwork. This special brick is formed after the manner of a pair of folding wedges specially keyed so that their introduction in the available space creates an intimate connection between old and new work that is actually free of shrinkage and other difficulties normally associated with underpinning work. Above the combined footing the piers are block-bonded into the existing brickwork.

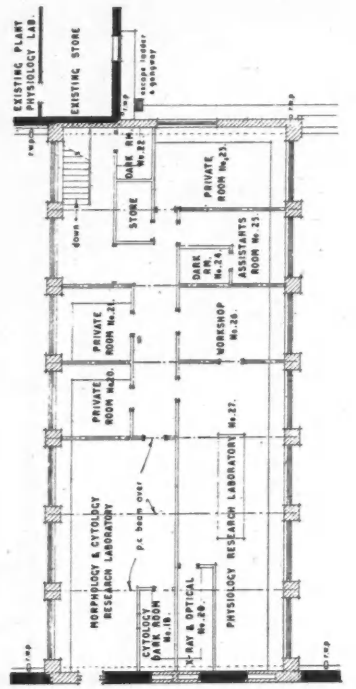
The prestressed members, both post- and pre-tensioned, have been designed on the "combined" principle—i.e., the prestressed elements depend on the *in situ* topping in the case of the floor slabs, and on the *in situ* concrete adjacent to the precast member in the case of the main beams, to assist in taking the compressive forces set up by the imposed loading. The precast elements are propped during the introduction and hardening of the *in situ* concrete.

The main beams, which are freely supported, have a span of 33 ft. 6 in. and are prestressed with a Magnel-Blaton cable of 48 No. 0.2 in. diameter high-tensile cold-drawn steel wires. It should be noted that the original design submitted allowed for adequate prestress in the form of a 40-wire

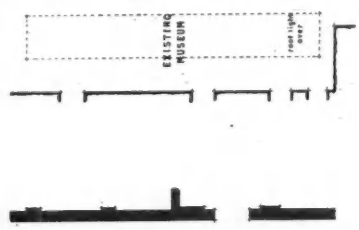


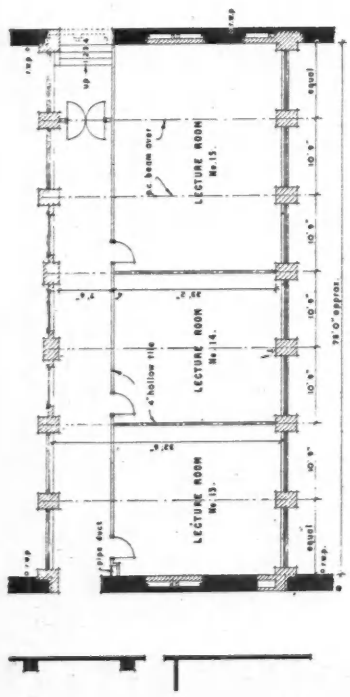
Method of grouting cable duct after stressing

Cables being stressed and the wedge driven home

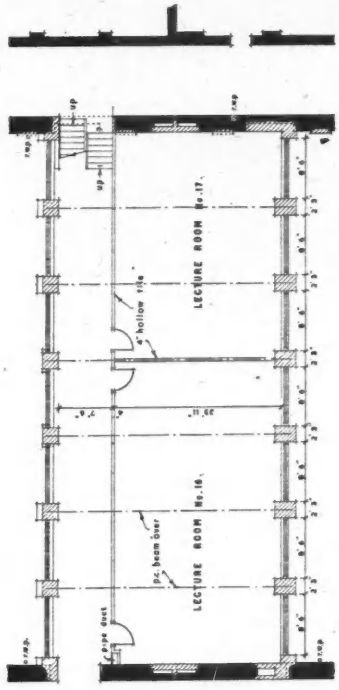


third floor plan.

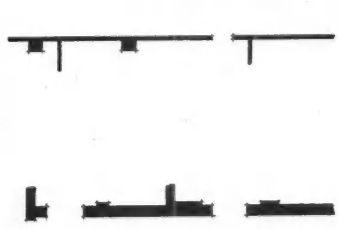


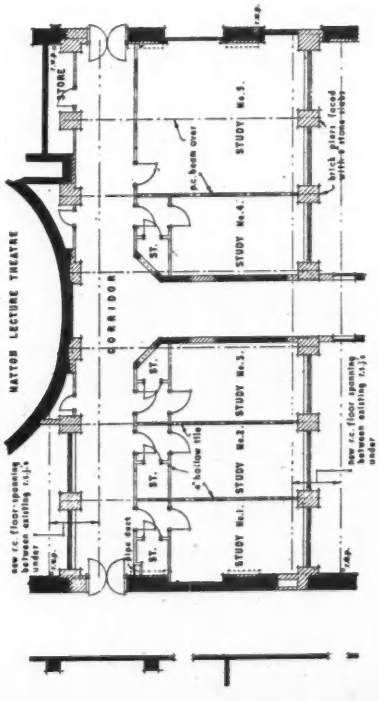


first floor plan.



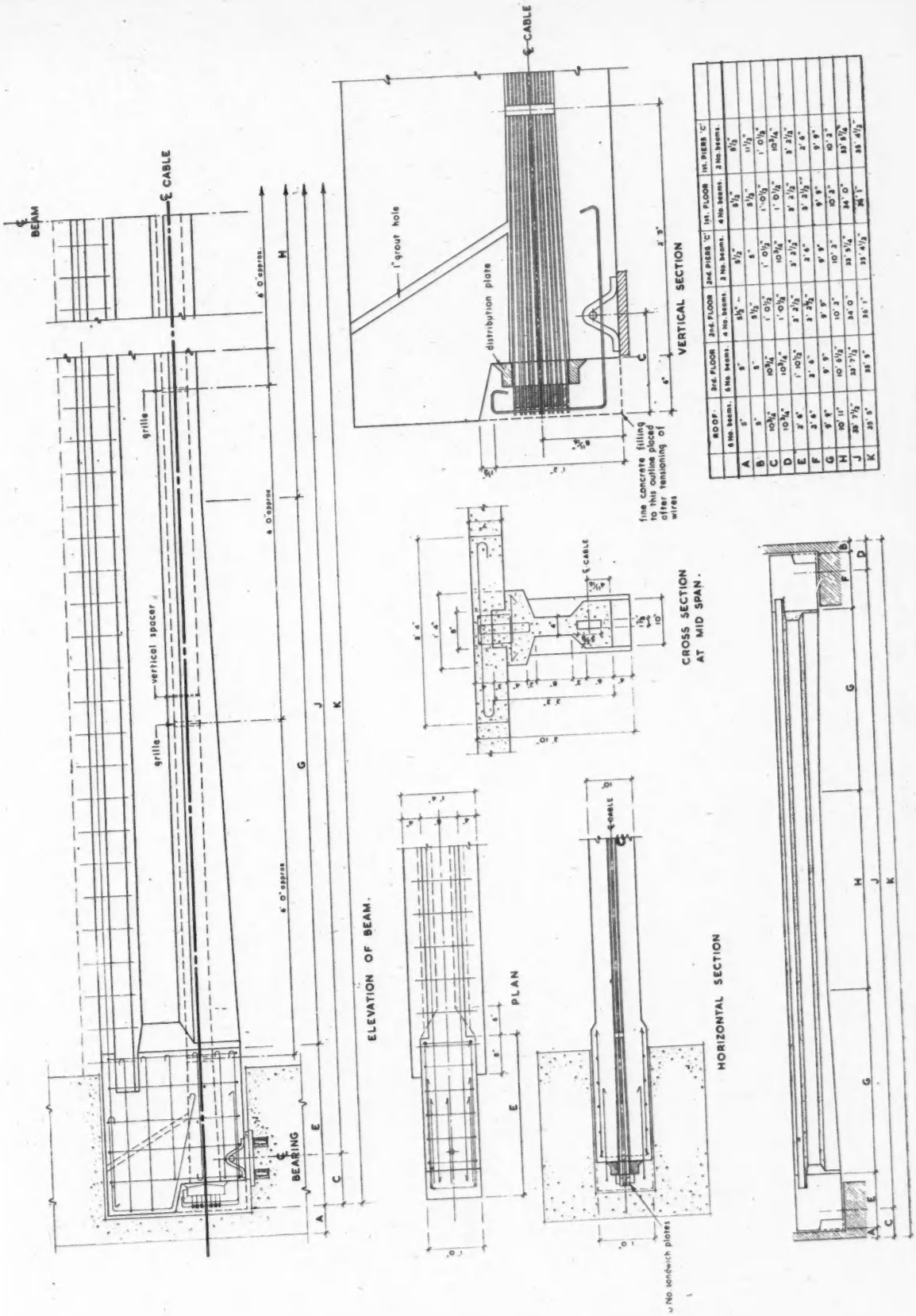
second floor plan





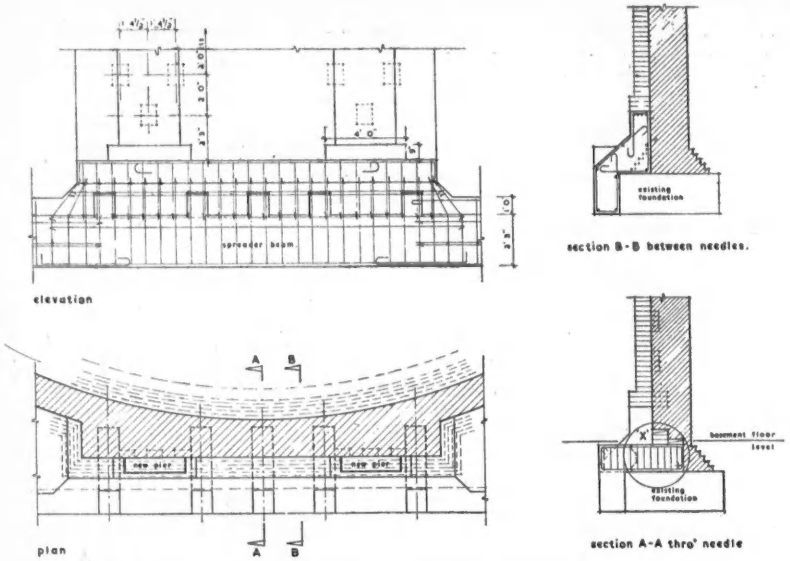
ground floor plan.

QUEEN MARY COLLEGE, LONDON. Plans of new wing



	ROOF 6 No. beams	2nd. FLOOR 6 No. beams	2nd. FLOOR 4 No. beams	2nd. PIERS "C" 3 No. beams	1st. FLOOR 4 No. beams	1st. PIERS "C" 2 No. beams
A	0"	8"	5½"	8½"	8½"	8½"
B	8"	8"	5½"	8"	8½"	11½"
C	10¾"	10¾"	1' 0½"	1' 0½"	1'-0½"	1' 0½"
D	10¾"	10¾"	1'-0½"	10¾"	1' 0½"	10¾"
E	2' 6"	1' 10½"	3' 2½"	3' 2½"	3' 2½"	3' 2½"
F	2' 6"	2' 6"	3' 2½"	2' 6"	3' 2½"	2' 6"
G	9' 9"	9' 9"	9' 9"	9' 9"	9' 9"	9' 9"
H	10' 11"	10' 6½"	10' 2"	10' 2"	10' 2"	10' 2"
J	28' 7½"	33' 7½"	34' 0"	33' 5¼"	34' 0"	33' 5¼"
K	35' 5"	38' 5"	36' 1"	35' 4½"	36' 1"	35' 4½"

QUEEN MARY COLLEGE, LONDON. Details of main prestressed concrete beams



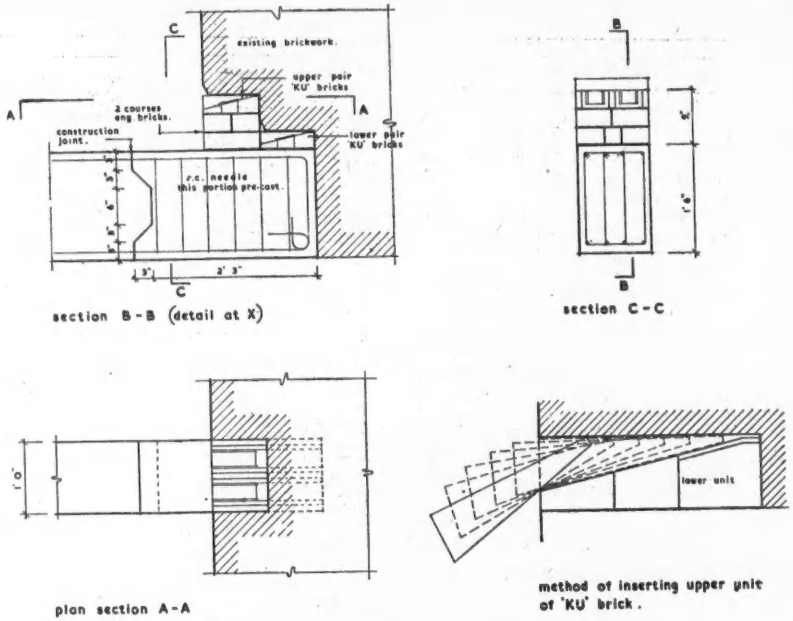
elevation

section B-B between needles.

plan

section A-A thro' needle

Foundation and underpinning details to the adjacent Hatton Lecture Theatre



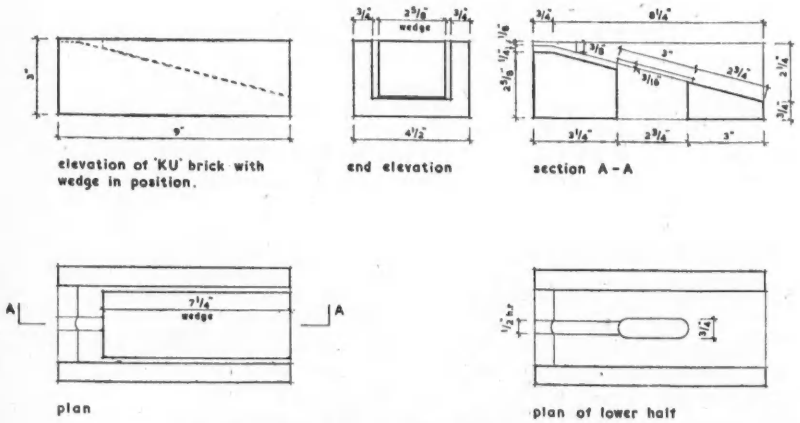
section B-B (detail at X)

section C-C

plan section A-A

method of inserting upper unit of 'KU' brick.

Method of employing patent type of underpinning brick



elevation of 'KU' brick with wedge in position.

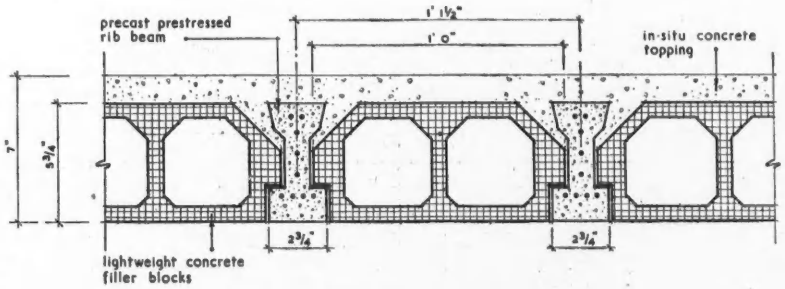
end elevation

section A-A

plan

plan of lower half

Patent type of engineering brick for underpinning



Floor and roof slab construction

QUEEN MARY COLLEGE, LONDON

QUEEN MARY COLLEGE: Underside of first floor construction showing prestressed main beams and prestressed floor units supporting lightweight concrete filler blocks

cable, but this was increased by 20 per cent. at the request of the authorities. The beams have a rise on the underside amounting to a maximum of 4 in. at the centre, where they have an exposed depth of 23 in. The wires were supplied to the site ready straightened and cut to length in coils of 72 in. diameter and the cables were prefabricated on the site. As the work was begun before the introduction of the extractable rubber core now used to form the cable housing they are encased in a light sheet metal "gaine" or tube, the whole being incorporated in the mould before commencement of concreting.

The design initially submitted provided concrete castellations on the upper surface of the beam to take the horizontal shear stress set up between the precast and *in situ* concrete when the beam was under load. This was not, however, acceptable to the authorities and consequently short vertical stirrups in pairs had to be provided at varying centres. In this connection it is interesting to note that the method of providing concrete castellations to take horizontal shears has been adopted in many contracts overseas and also by the Ministry of Works at the new stationery store at Sighthill, Edinburgh—with notable success, as full-scale tests have proved.

A further amendment imposed subsequent to the submission of the original design was the introduction of a reinforced-concrete "helmet" or housing for the end of each main beam. This was to prevent encastre effect and was so designed that the load from the upper pier was transferred to the pier below without the aid of the ends of the beams. Building board was placed against each surface of the "built-in" end to ensure this condition.

The Floor Slabs

The floor slabs comprise the prestressed ribs already described and light-weight concrete filler blocks over which a layer of concrete is placed *in situ*. The ribs rest on the upper flanges of the main beams and the filler blocks stop 20 in. from their centre line. The gap thus left is filled with concrete when the topping to the remainder of the floor is placed. This solid portion provides the compression flange of the main beams.

The *in situ* filling was vibrated by an electric hammer equipped with a suitable attachment, applied to the underside of the suspended formwork. Where high concentrations of loading occur on the slab itself the precast ribs are placed close together and the spaces between filled in with concrete. Continuity is provided by mild-steel reinforcement placed over the supports.

The depth of the floor slabs is considerably in excess of the maximum structurally required, owing to the fire-resistance requirement of the London County Council which stipulated that the lower wires must be protected by at least 2 in. of solid material, including the plaster finish. Side cover was not specified, as it was considered that the presence of the hollow filler blocks provided adequate protection.

The existing suspended ground floor is of brick jack arching supported on r.s.j.s and cast-iron columns. Examination revealed this to be in excellent condition and it was, therefore, retained. Suitable openings were, however, made for the passage of the pier shafts passing down to the foundations. These latter were founded upon ballast at a depth similar to the existing foundation.

Pressure Grouting Method Used

The main beams are cast, stressed and grouted on the site, just below their final position in the structure. Thus the second-floor beams are cast at first-floor level and so on. The mix specified is a nominal 1 : 1½ : 3 with a water-cement ratio of .45, and a minimum cube strength of 6,000 lb. at 28 days (works test). Compaction is effected by hand-ramming and high-frequency vibration. The formwork is lined with resin-bonded plywood.

The 0.2-diameter wire provided for the main beam cable gave a secant E value on test of $28 \cdot 10^6$ and the working stress at the time of prestressing was 120,000, it being assumed that losses of 15 per cent. would occur due to relaxation of the steel wire, creep and shrinkage of the concrete.

For the grouting of the prestressing cables in the main beams, the contractor elected to use a normal-type pressure-grouting equipment as opposed to the current practice of introducing a "colloidal" type of grout by means of a centrifugal pump.

The structure is faced with 2-in. slabs of Portland stone treated purely as a facing material. It is intended that the whole courtyard on the south side of the new building shall eventually be faced with this material to give improved light reflection to the new rooms and a pleasant appearance to the courtyard.

The main contractors for the work are Messrs. Dove Brothers, Ltd. The prestressed main beams are being manufactured at the site by Messrs. Holland and Hannen and Cubitts, Ltd., the special parts and equipment required being provided by Stressed Concrete Design, Ltd. The floor units are being supplied by the Costain Concrete Company.

BOOKS

YOUR LOCAL BUILDINGS. By Kathleen Harston and Elizabeth Davis. (George Allen and Unwin, Ltd.) Price 4s. 6d. net.

THIS ADDITION to the publishers' "Understanding the Modern World" series is specially designed to help young people to walk through the streets of their home town or village, or indeed any town or village, and read something of its history from its buildings. It succeeds admirably in that aim and is one of the best introductions to architecture and buildings that we have seen. Text and drawings (the latter by Miss Davis) are well related and the subject matter becomes alive. In an age when the average eye rarely travels higher than the fascia board of shops and when curiosity seldom extends to the social background implicit in all building, the authors have done a real service by producing a book which must quicken such understanding. It is commended to young people of all ages.

TREES FOR TOWN AND COUNTRY. By Brenda Colvin. Photographs and drawings by S. R. Badmin. Pp. 132. (Percy Lund, Humphries and Co., Ltd.) 25s.

MUCH OF BRITAIN'S countryside, as well as many of her bomb-damaged towns, suffer by the absence of trees. Some local authorities, conscious of the lack of tree planting in recent years, have made efforts to correct the situation, but others have either overlooked the need for more trees or are insensitive to their beauty.

If this book is successful in stimulating greater enthusiasm generally for tree-planting, it will have done a great service. The book has been compiled by the Association for Planning and Regional Construction. Sixty trees suitable for general cultivation in Britain have been selected in co-operation with the Royal Botanical Gardens at Kew, the Institute of Landscape Architects and the Roads Beautifying Association.

A full-page photograph shows each tree in the panoply of its summer foliage and the accompanying descriptions include an account of conditions under which each tree can develop its full beauty.

All the photographs, without exception, are superb, and the line drawings most accurately done. The descriptions also are appropriately concise.

B.R.S. Digest

The Building Research Station, Garston, Watford, Herts, have recently issued their Digest No. 21, dated August, 1950, entitled "The Weathering, Preservation and Maintenance of Natural Stone Masonry (Part II)."

THE WORKING AND MISWORKING OF THE TOWN AND COUNTRY PLANNING ACT, 1947*

By DESMOND HEAP, LL.M., L.M.T.P.I.

Comptroller and City Solicitor to the Corporation of London

I. INTRODUCTORY

DURING the past 18 months the Town and Country Planning Act, 1947, and its many Orders and Regulations have together forcibly brought home to more people than ever before the fact that town and country planning, backed by the sanction of the law, has arrived in this country. There are many who, realising for the first time that town planning is here, are also realising that they do not like it and, accordingly, there is much talk, agitation and passing of trenchant resolutions about an Act which is regarded as an unjustifiable obstruction of, and an impertinent interference with, the rights and liberties of the individual. In short, there is a growing tendency in some quarters to "go off at the deep end" about town and country planning and call for the repeal of the 1947 Act without stating clearly what (if anything) is to be put in its place. It is, however, essential that more dispassionate counsels should prevail and closer investigation of the Act be made before calls for sweeping repeal are advanced.

In dealing with the 1947 Act, it is important at the outset to draw a distinction between—

(i) the *Planning Provisions Proper* of the Act (namely, Pts. I, II, III and IV);

(ii) the *Development Charge—£300m. Fund provisions* of the Act (namely, Pts. VII and VI respectively);

(iii) the *Compensation (at Existing Use Value) for Compulsory Purchase of Land* provisions of the Act (namely, Pt. V); and

(iv) the *Exchequer Grants by way of Financial Assistance to Local Authorities* provisions of the Act (namely, Pt. IX).

(The foregoing items embrace all the ten Parts of the Act except Pt. VIII (Application to Special Cases) and Pt. X (Supplemental), but these are inter-related in one way or another with each of the Parts already specified.)

Of the foregoing items numbered (i) to (iv) respectively, item (iv) relating to Financial Assistance for Local Authorities, being a matter which concerns only the Central Government and the various local authorities throughout the country, is not further commented upon here.

Item (iii) relating to Compensation (on the basis of existing use value) for the Compulsory Purchase of Land is associated both with the Planning Provisions of the Act and with the Development Charge—£300m. Fund provisions of the Act. There is, however, a clear line of cleavage between item (i)—the Planning Provisions Proper of the Act, and item (ii)—the Development Charge—£300m. Fund provisions. While there is nothing especially new in principle in the former, the latter may be said to be so new as to be revolutionary. Indeed, while this Act has on more than one occasion and in more than one quarter been referred to as a revolutionary Act of Parliament, it may be remembered that the revolution is not so much in its planning provisions as in its development charge provisions.

II. PLANNING PROVISIONS

As the Planning Provisions of the Act (as already stated) do not contain anything which is greatly new in principle, those who call for a sweeping repeal of the Act are, so far as the Act relates to planning proper, asking for the clock to be put back to 1909. The short fact is that this country is already committed, and has been now for over 40 years, to the idea of land planning or control of the use to which the land in the country may be put. The sanction of the law was given to this idea in 1909 and there have been successive Acts of Parliament dealing with the subject. The planning provisions of the 1947 Act are a welding together of the best of the planning provisions of the Town and Country Planning Act, 1932, and the Town and Country Planning (Interim Development) Act, 1943. There was never at any time any special outcry for the general repeal of either the 1932 or the 1943 Acts, and in so far as the 1947 Act is substantially a re-enactment with modifications of these two Acts there would appear to be no logical basis now for requiring its repeal.

Requirements of Planning Authorities

The planning provisions of the 1947 Act and *the use* which is made of them are, however, different matters. Local planning authorities have been freed by the nationalisation of the development rights in all land (through the Development Charge—£300m. Fund provisions of the Act) from what was termed the bugbear of compensation which they became liable to pay if, on planning grounds, they refused applications for permission to carry out development or granted such applications subject to conditions dictated by planning requirements. This being so it is more than ever necessary for such authorities, in the first flush of their newly found freedom, to preserve a sense of proportion when wielding their powers under the Act. For example, planning permissions should not be refused except for good and sufficient reason—they should not be refused merely because there is a *doubt* as to whether they should be granted. Nor should they be granted in excessively narrow and rigid terms; the fact that this has been done by some planning authorities has already caused embarrassment to those who have the duty of valuing such grants of permission for the purpose of assessing development charges.

Indeed, the 1947 Act having made planning more alive than ever before not only to land developers but also to professional planners and town planning authorities, the feeling cannot be resisted that there has, in some instances, been an excess of zeal on the part of the planners and the planning authorities in the exercise of the powers conferred upon them by the Act, and it may well be that it is this kind of thing, rather than the Act itself, which has provoked a good deal of the criticism now being made against planning. In other words, as far as the planning provisions of the Act are concerned it is probably not the Act itself which is the cause of criticism so much as the technical requirements which town planners are calling for under the authority of the Act; it is not so much the Act which is wrong but the use which is being made of the Act. In this connection it is relevant to remember that it was stated in November last that planning appeals to the Minister of Town and Country Planning under Section 16 of the Act were being made at the rate of 400 per month, and that approximately 40 per cent. of them were being allowed. This is a staggering number of appeals, especially when it is remembered that on March 17, 1949, in his Circular No. 69, to all local planning authorities, the Minister sounded an alarm by mentioning the danger of the machinery of planning control unreasonably impeding development if too many cases went to appeal and, in the circumstances, questioning whether the policy followed by local planning authorities when dealing with applications for planning permission might not be capable of adjustment or improvement in certain directions.

It may be, of course, that shortage of land in this densely populated country renders the technical requirements of the planners increasingly necessary. A lawyer is not necessarily the best person to express views on the technical requirements of land planning, but he is entitled to draw attention to the fact that if it is the technical requirements of planning experts which are causing the trouble (and it is submitted that there is much to be said on this score), it is no use blaming this on the provisions of the Act of Parliament unless, of course, one is going so far as to say that such provisions should not exist at all in any form whatsoever, which would be (as has been mentioned) to put the clock back to 1909.

"Development" and the Use Classes Order, 1948

Apart from criticisms which, it is submitted, arise, on examination, not from the Act itself but from the use which is being made of the Act, the definition of "development" needs circumscribing so that many changes of use of frequent occurrence and modest (yet material) proportions are put clearly and unmistakably outside the definition. Much doubt still prevails as to what constitutes development (e.g., as to the making of an internal means of communication between two adjacent buildings), and this is causing irritation and annoyance—a sense of being planned to the *n*th degree—and is tending to bring planning into disrepute.

Many have criticised the Town and Country Planning (Use Classes) Order, 1948, for its complexity, but in fact the Order is not an imposition of further [illegible], but a relaxation of those which, [illegible] the strict provisions of the Act itself would otherwise operate. This Order knocks off the edges and rounds some of the sharper corners of the Act and its only trouble is that it probably doesn't go far enough and bring about a sufficient relaxation.

Development by or under Government Departments

One kind of development, however, calls for special mention and consideration, and that is development by, or under the aegis of, the Central Government. Government Departments, acting as they do in the name of the Crown, are not bound by the Act. Moreover, when development is to be carried out by statutory undertakers and local authorities with the consent of a Government Department, that Department can, in giving such consent, also direct (under s. 35 of the Act) that the appropriate planning permission for the development shall be deemed to be granted. The result of all this is that development now carried out

* This article appeared in the April issue of the *Law Society's Gazette*.

either by or under the aegis of Departments of the Central Government is technically free from planning control. No doubt *consultations* with the Ministry of Town and Country Planning take place, but there are those who think that the Ministry of Town and Country Planning still does not speak on equal terms with other Ministries, and in this connection the fact is to be noted that the Ministers of Health, of Agriculture and Fisheries, and of Education, and the President of the Board of Trade, each have a seat in the Cabinet, whereas the Minister of Town and Country Planning has not.* Under the Minister of Town and Country Planning Act, 1943, which created him, the Minister of Town and Country Planning was "charged with the duty of securing consistency and continuity in the framing and execution of a national policy with respect to the use and development of land." There are many conflicting and competing interests for such land as is available in this tight little island and often conflicts occur as a result of the "land-spending" requirements of Government Departments. It is a maddening thought to a private individual who finds his own development most severely controlled under the 1947 Act to discover that public development by Government Departments, statutory undertakers and local authorities is, theoretically, free, under the strict letter of the Act, from any such control and is, in practice, subjected to an *ex gratia* mode of control which is regarded as insufficient.

Public Development—Private Development

In these days much development, formerly carried out on a private basis, is carried out on a public basis by Government Departments or nationalised industries. It is a sobering thought that over the development of local authority housing estates, hospitals, sewerage works and waterworks (being under the control of the Minister of Health), over trunk roads, omnibus depots and railway stations and their appurtenances (being under the control of the Minister of Transport), over gas-works, electricity power stations (being under the control of the Minister of Fuel and Power), over telephone poles, installations and exchanges (being under the control of the Postmaster-General), over airports (being under the control of the Minister of Civil Aviation) and over Naval and Military establishments of all kinds, planning control can, in the ultimate analysis, be circumvented.

It is sometimes suggested, of course, that Government Departments know all that there is to know about the requirements of good planning and accordingly that planning control by law is in their cases unnecessary. This, however, is not so. Government Departments suffer from the same human frailties as inflict private individuals, and on occasion have sought to carry out development on land which was satisfactory from, for example, a pecuniary point of view, but not so satisfactory, in the estimation of planners well qualified to judge, from a town planning point of view. One can recall arguments about the location of electricity power stations and of housing estates, and can remember the vigorous opposition put up in such cases by local planning authorities against the carrying out of development by Government Departments on sites the suitability of which from a town planning point of view was much to be doubted.

The Questionable Principle of Designation for Compulsory Purchase

One further matter associated with the planning provisions proper of the Act may be mentioned. Under s. 5 of the Act land may be designated in a development plan as subject to compulsory acquisition provided the acquisition is likely to take place within ten years (or seven years in the case of agricultural land). Even after designation has taken place it is necessary for a Compulsory Purchase Order to be made as and when the time for the actual acquisition of the land arrives. The principle of designating land as being liable to compulsory purchase is derived from the Town and Country Planning Act, 1944, under which the idea was that a large area of land might be designated "at one blow" (as it were) in a single Declaratory Order as liable to compulsory purchase, and then be followed at later stages by piecemeal acquisition by way of successive Compulsory Purchase Orders.

The whole theory of the Declaratory Order procedure under the 1944 Act, and the Designation in a Development Plan procedure under the 1947 Act, is that the single public inquiry into the Declaratory Order or the Development Plan (as the case might be) would tend to shorten the arguments as and when the individual Compulsory Purchase Orders for the piecemeal acquisitions came to be made. In practice, and speaking from the local authorities' point of view, it is doubtful whether there is any substantial saving of either time or argument by these methods. On the other hand, it may well be urged from the private landowners' point of view that the undoubted uncertainty as to whether designated land will ultimately be compulsorily acquired might hang, like the Sword of Damocles, over a plot of land for as long as ten years, and that this leaves something to be desired.

It is felt that the benefits which accrue from this practice of designation are not so good in fact as they were expected to be when the theory was first advanced under the 1944 Act, and that, accordingly, the practice now needs reconsideration. It would appear to be contrary to public policy that land which a local authority may or may not ultimately acquire should nevertheless have the possibility of compulsory acquisition associated with it for as long as ten years with the result that during that period the land becomes in effect inalienable.

III. DEVELOPMENT CHARGES

It is in the matter of development charges that the Act breaks entirely new ground, and the development charge provisions are those mainly responsible for the word "revolutionary" having been applied to the Act.

The Theory of the Development Charge

A development charge is a tax on development carried out since the appointed day. It is not *supposed* to make development more costly because what is spent on paying the development charge to the Central Land Board is, in theory, saved on acquiring, after July 1, 1948, and at its existing use value the land for accommodating the development.

In the case of development carried out on land which was already owned by the developer on July 1, 1948, the only thing to set off against the development charge will be the problematical claim on the £300m. Fund which the developer has, provided he has already lodged his claim in due form. Whereas, however, a development charge represents 100 per cent. of the increase in the value of the land by virtue of the development, a proved and valid claim on the £300m. Fund for loss of development value may have to be satisfied with a payment out of the fund which represents something less than 100 per cent. of the development value which has been lost to the State by the coming into force of the Act.

Flexible Charges—Rigid Charges

It will be remembered that when the Act was debated in Parliament it was stated on behalf of the Government that a free hand in the levying of development charges should be allowed to the Central Land Board, so that 80 per cent., 90 per cent. or 100 per cent. might be levied in the case of development being carried out in one place, but only 40 per cent., 50 per cent., or 60 per cent. charged if the same development were carried out in another place. However, when the Town and Country Planning (Development Charge) Regulations, 1948, were made, it was clear that second thoughts had prevailed and the Central Land Board was given no discretion as to the amount of the development charge which it could impose in any particular case. The charge, if payable at all, had always to be 100 per cent. of the increase in value due to development. Experience is showing that the 100 per cent. development charge destroys the land owner's incentive either to develop his land himself or to sell his land for the purpose of allowing somebody else to develop it.

The Incentive to Develop Land

If the developer already owned the land on July 1, 1948, he may be expected to think twice before he develops it and thereby incurs the liability of 100 per cent. development charge against which all that he can set off is his claim on the £300m. Fund, he himself (be it remembered) having bought the land before July 1, 1948, at its full market value and, moreover, in order to enable him to do so, having perhaps raised a mortgage upon it of substantial proportions.

In considering the position of such a man it should also be remembered that if he *did* buy land at some date before July 1, 1948, and paid for it the full market value as "good building land ripe for immediate development" (that is to say, a value which includes not only the existing use value of the land but also its development value as good building land), and if, in addition to purchasing the land at the full market value, he also raised on the land a mortgage of an amount considerably in excess of the existing use value of the land—it is only fair to remember in such a case that in doing all these things that man (and, it may be added, the mortgagee who lent the money) was only doing what the law allowed.

It is appreciated that it may be argued that such a man, having bought his land at full market value in accordance with what the law allowed, did not thereby acquire the right to develop the land as he pleased. The Uthwatt Final Report, Cmd. 6386, made reference (*vide* paras. 32, 33, 34, 35 and 36) to the fact that an owner of land is not entitled by reason of his ownership to develop his land as he pleases, and to the further fact

* Since this article was prepared the Minister of Town and Country Planning has in fact become a member of the Cabinet in the course of the recent Government reconstruction.

that where the State limits the use which an owner may make of his property, but does not deprive him of ownership, no claim for compensation lies at common law. The Report, however, went on (para. 32) to add that cases exist where this common law principle is modified by statute and provision is made for payment of compensation. But be this as it may, it is notorious that before the Act all land suitable for development always changed hands at prices considerably in excess of existing use value and thousands of people who bought land certainly bought it with the idea that their ownership gave them the right to change its use subject to bye-laws and subject to planning control, *but without the need of having to pay a further sum to acquire the right to change its use.*

The Incentive to Sell Land

Again, if a man owned land on July 1, 1948, and, because he does not wish to face what is going to be 100 per cent. development charge if he develops it himself, contemplates selling the land, he may find that a prospective purchaser does not want to pay more than the existing use value of the land, because he, the prospective purchaser, knows that when *he* comes to develop the land he will have to pay 100 per cent. development charge. Such a landowner will again find that all he has to set off against the loss which he makes if he sells his land at existing use value is his claim on the £300m. Fund. Accordingly he has no incentive to sell his land.

In strict theory the imposition of the 100 per cent. development charge is, of course, the logical outcome of the vesting in the State of the whole (i.e., 100 per cent.) of the development rights in land, but here is another case in which practice and theory vary and the important thing to remember is that if, for one reason or another, the principle of the 100 per cent. development charge is a principle which tends to discourage development, then it is something which requires review whether or not it is a principle which neatly conforms with the requirements of a theory which works well on paper but breaks down in practice.

It is true that much development for which planning permission has been granted and development charges assessed is being held up because, owing to the exigencies of the times, the appropriate building licence cannot be obtained. It is, however, doubtful if lack of building licences and lack of materials is the complete answer to the contention the 100 per cent. development charge tends to discourage development and the acceptance by the person undertaking the development of the risks and hazards inseparably associated with it. The buying and selling of land is often a prerequisite of the carrying out of development, and the Central Land Board themselves, in their First Annual Report for the period ending March 31, 1949, stated that "much building land has been taken off the market or is available only to purchasers who will pay the full development value," and that "the Board will continue to watch the position closely." It will be interesting to see what observations on this particular point are contained in the next report of the Central Land Board.

Effect of Lack of Incentives

The sterilising effect of the lack of any incentive to sell or develop land is also shown by the fact that, since the autumn of 1948, the Central Land Board had received, according to the Lord Chancellor, speaking in the House of Lords on November 16, 1949 (House of Lords, *Official Report*, vol. 165, No. 124, col. 761), 11,000 applications for help in obtaining land at existing use value. Out of this number, however, the Board had felt it appropriate to act in only eleven cases. On these figures it has been calculated that a prospective vendor of land ought to be able to insure himself against the risk of action by the Central Land Board at a premium of about .1 per cent. (On February 3, 1950, a Central Land Board Press notice stated. "The Board have now made thirteen Compulsory Purchase Orders.")

The short fact of the matter is, of course, that no amount of compulsory purchase by the Central Land Board or local authorities can adequately compensate for the loss of incentive for the private individual either to sell or develop land which the 100 per cent. development charge brings about. A development charge, at, say, 80 per cent. (as was suggested in para. 16 (*e*) of the White Paper on The Control of Land Use, Cmd. 6537), or 75 per cent. (as was mentioned in connection with a proposed levy on site values in para. 311 of the Uthwatt Final Report, Cmd. 6386) of the increase in value, would help to restore the position and is something which might now be reconsidered in the light of recent experience and information.

Need for Appeals against Assessment of Development Charge

The method of assessing development charges has caused much criticism, especially when note is taken of some of the very large figures first put forward as the proposed assessment and then, after a deal of argument, the very small figures ultimately agreed as the appropriate charge. If the original figures had any relationship to reality, the final figures must be wrong. There must, of course, always be room for argument, bargaining, higgling, or whatever term is applied to the negotiation of a development charge, but the first figures and the final figures should bear some relationship to each other and not be, as they have been in some cases, poles apart. It is this gross disparity in some instances between the figures at the beginning and at the end of the arguments that has led to uncertainty and a lack of confidence in the system and when it is remembered that there is no appeal against the amount assessed by way of development charge, the lack of confidence and distaste for the whole system is increased more than ever.

If it is correct that there should be a right of appeal (as there is) in connection with the amount fixed as the development value of a plot of land for the purpose of a claim on the £300m. Fund, then it would appear also to be both correct and logical that there should be a similar right of appeal on the assessment of a development charge. Such a right of appeal would help to restore confidence in the system at present operating for the assessment of development charges.

IV. CONCLUSION

The conclusion (very briefly stated) which is reached as a result of such survey of the 1947 Act as is possible in the space available for this article—the object of which is to stimulate further discussion and consideration of the points here mentioned, the article itself not professing for one moment to deal exhaustively with either the working or the misworking of this Act—is that, on the whole and subject to points made earlier, the planning provisions of the Act work or (with a little restraint on the part of the planners) can be made to do so, but that all is not well with the development charge provisions, which accordingly need looking into at an early date.

By way of general commentary on the present position of land-planning it is submitted that as between planning and development the scales are overweighted at the moment in favour of planning. What is required is the striking of a more statesmanlike balance between the idealistic needs of land-planning and the realistic requirements of land-development.

Planning on paper is one thing; getting development going on a given site is another. About a year ago the author wrote elsewhere —"Anything in the nature of a dictatorial attitude towards the initiative and enterprise of any enthusiastic developer will have to be avoided at all costs, because if this Act needs a large number of planners to make it work (and it does) it certainly needs a very much larger number of enthusiastic developers to make it the success which it ought to be." There will be no enthusiastic developers so long as the 100 per cent. development charge persists. And if there are no enthusiastic developers it is idle to rely on the local authorities to "step in" and do the development themselves. The compulsory purchase and redevelopment powers of local authorities under this Act are appreciated (and even understood), but if planning is not to be the dictatorship which, in unenlightened hands it could so easily become, these powers should be used with discretion and reserve and not as a principal method of getting development under way. In any event, development is often a specialised subject and no local authority can carry out all the varying sorts and kinds of development now required without transforming itself into a kind of semi-qualified jack-of-all-trades.

Accordingly, a sympathetic understanding of the need for town and country planning needs to be cultivated in the minds of all the individual land-developers who can be found, and this (in the writer's view) calls, on the one hand, for what has been termed a humane administration of the Act (that is to say, a careful, discreet and judicious use of the planning provisions proper of the Act) and, on the other hand, some relief from the harsh effects of the full 100 per cent. development charge. All planners like planning; the need of the times is to get the *developers* to like it. This savours of the platitude, but it expresses, nevertheless, a consummation never so devoutly to be wished as now.

MANAGEMENT COURSE

A "PRINCIPLES OF MANAGEMENT COURSE" is being provided at the L.C.C. Brixton School of Building during the coming season. The course includes three classes :—(a) Nature of Management, (b) Background of Management, and (c) Basis of Management Practice. Outline syllabuses are given in the School's pamphlet dealing with adult and post advance courses, copies of which may be obtained from the school secretary.

Students will be admitted to any or all of the subjects, except that it is not intended that the "Management Practice" class shall be taken separately without any previous study of the other subjects.

Applicants for the course must have carried their building studies to L.I.O.B., or Higher National Certificate or Diploma level, or to have reached a comparable standard.

PLANNING A CANADIAN SALES CAMPAIGN

A British Manufacturer's Experience

The following experiences in planning a sales campaign in Canada for earth-moving equipment have been contributed to the "Board of Trade Journal" by Mr. Philip D. Priestman, managing director of Priestman Bros., Ltd., of Hull.

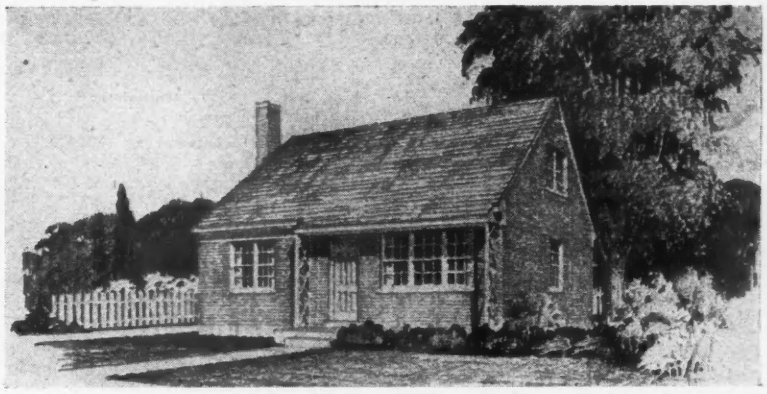
WE manufacture a range of earth-moving equipment, a field in which the U.S.A. has been pre-eminent for over half a century, and have recently tackled the Canadian market. It has been suggested that a note of some of our experiences might be useful and encouraging to other British firms in similar lines of business who are also undertaking, or considering whether to undertake, the same experiment.

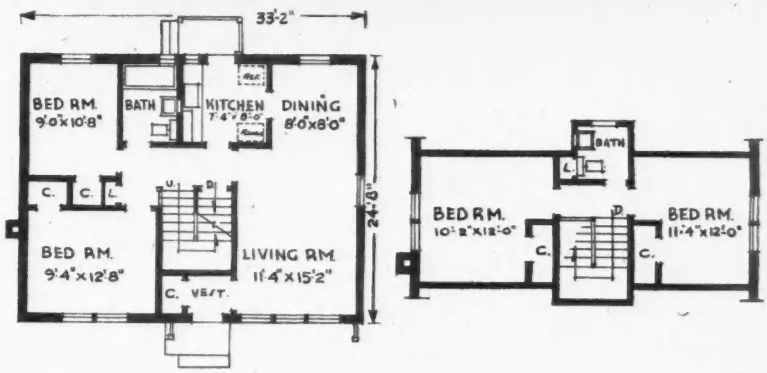
British manufacturers of our type of machines have developed very largely their own designs to suit home and overseas conditions, and though the American influence has been felt it might be said that British machinery had evolved a style of its own, which had proved acceptable and highly marketable in at least three of the world's continents. A tariff and devaluation advantage made it possible to consider competing with the American products, and we made plans therefore to demonstrate two of our machines in two of the more highly industrial areas of the Dominion; in connection with these demonstrations a full survey of the market was to be carried out by two senior members of the company.

For a number of reasons it was decided to hold the first demonstration in Vancouver on the west coast. Psychologically we believed this to be a good move, as there is abundant goodwill towards British products in British Columbia, and there is a sensitive feeling of disappointment that many British manufacturers spend almost all their available business time in the east and rarely have more than a few days in the west except to make anything but the briefest of visits. We spent nearly a fortnight in Vancouver talking to as many contractors and distributors as possible, so that we might get a fair idea of the problems of the market we were trying to enter. During this period we were able to hold our demonstration on a suitable site outside the town, and as much publicity as possible was given to the event. In arranging this we learnt that Canadian distributors have little idea of import procedure and regulations, especially by sea, and that this must be allowed for in arranging for such a trial. At the same time any estimates of the arrival of the machinery should be extended by at least a week to allow for the ship's delay and Customs clearance. We have recently been told that six weeks is the time to allow for transporting machinery from Vancouver to Calgary, a distance of approximately 650 miles.

A similar demonstration was held three weeks later in Toronto, and further delays were experienced in transporting the machine from the Port of St. John to Toronto, and finally clearing the Customs. This procedure took over two weeks.

From these two demonstrations we learned a number of things: that Canadians like "to meet the Boss"; that they must be given an opportunity of seeing the product; that Canadians will only be impressed if they see your machine doing a really tough job; that they pay a lot of attention to outside appearances and like smooth-flowing lines to knife-edge corners; that they will inevitably compare English machinery with their American equivalents and will probably be suspicious of anything that does not generally conform to American practice; that they expect prompt and efficient service from local distributors and must be given evidence of a British firm's intention of keeping them fully and adequately supplied with replacement parts. This is probably one of the greatest factors responsible for the sales resistance of prospective buyers to British products.





CANADIAN HOUSE DESIGN. This design, with specification, is one of many purchasable for $10 by a building owner from the Central Mortgage and Housing Corporation. The total floor area is 1,270 sq. ft. Architects, Wilson and Newton

These are observations of which we are not only taking note but are in many cases taking action in order to make our products more saleable. Modifications will be made in our designs, so that next year we shall approach the market with greater confidence and what we believe will be a more widely acceptable machine.

It is now a truism to state that the Canadian market can only be tackled successfully by first-hand investigation of sales and marketing technique and a thorough appreciation of the high standard of service (equal to the American example) that is expected of British manufacturers of contractors' plant; but it is impossible to over-emphasise these points, as they have so frequently been neglected by British exporters in the past, to such an extent that there is still a feeling among many Canadians that British firms are only "playing" with their market, instead of tackling it as a carefully thought out plan of campaign.

We believe that we were right in planning our first stage with almost as much care as one would plan a military operation, and have learned a lot by listening to Canadians telling us of their problems and requirements.

If there is to be one lesson that this visit has brought home to us, it is that the North American market deserves an attention and approach as clear-headed as that evolved during the last World War when the Allies were formulating their plans for attacking the "Fortress of Europe." Canadians won't simply buy British because they are

urged to do so—though there is a greater appreciation of the dollar problem in the Prairie Provinces where it directly affects the farming community than in Ontario and Quebec where British goods often directly compete with those of Canadian manufacture.

We are applying these lessons and have been encouraged by the results of our initial drive to look to Canada as providing a new and growing outlet for our equipment. The keenness of the competition and the discerning buying habits of Canadians are likely to make our products more acceptable in other world markets where American designs and influence predominate.

One final word of thanks needs to be expressed to the United Kingdom Trade Commissioners and their staffs, who offered helpful advice to us in many a difficult situation. In fact, we are directly indebted to one particular Commissioner for finding us a competent agent on the west coast when none seemed possible. For this and other services we shall always be grateful.

PLANT FOR PRESTRESSING CONCRETE

M.O.W. National Building Study

Information of use to manufacturers taking up the production of prestressed precast concrete is contained in "Plant for Prestressing Concrete,"* which describes some of the special appliances used by the Ministry of Works in development work on the manufacture of these building components. In the course of this work the technical staff of the Ministry encountered many practical problems connected with the operations of straining the wires, casting, vibrating and compacting the concrete, and curing the cast products. Some of these problems could only be solved by inventing new and special appliances. Many of these devices are important contributions to the practice of a new industry.

Two methods were employed in the Ministry's programme of manufacture: Pretensioning, where the high tensile steel wire is stressed before the concrete is cast; and post-tensioning, where the wire is stressed after the concrete has hardened and is kept taut by means of permanent anchorages. The apparatus for keeping wires under stress differs in the two methods, but some of those described can be used in either process. In the first, tensioning is obtained by anchoring the wires at each end of the straining bed or at each end of a mound which then acts as a strut. The concrete is cast, vibrated and cured before the wires are released. In the second method, the wires are strained against the cured concrete unit, and neither a long straining bed nor a heavy mould is needed.

Illustrations and descriptions are given of an experimental straining bed for pretensioning; and of eight types of wire gripping devices. These are of two main sorts: static and quick releasing. They can be classified (according to the principle on which they work) as wedge, cam or clamp type. The characteristics of each type, and the functions, are indicated. Included also are methods and equipment for wire-tensioning; apparatus for stress determination; and for vibrating and compacting. Difficulties experienced in stress determination and in vibration are discussed.

* National Building Studies Bulletin No. 12. Published for the Ministry of Works by H.M. Stationery Office, price 1s. 3d.

BROADENING TECHNICAL EDUCATION

"Building Trades Employers Must Help"

"MOST sections of the building industry are becoming increasingly aware of the need to broaden the technical and managerial training and education at technical colleges and schools so as to ensure the highest standard of industrial efficiency," said MR. D. E. WOODBINE PARISH, vice-President of the London Master Builders' Association, at the September meeting of Central Area No. 2, held in the Horse Shoe Restaurant, Tottenham Court-road, under the chairmanship of Mr. A. Pond. "But that awareness is only the first step in the process of understanding the scope and extent of the problem involved," he added.

"There is no doubt," said Mr. Woodbine Parish, "that in the training offered in the past there has been an undue emphasis upon purely technical subjects, and it is only of recent years that training for management and foremanship has found its way into the curricula of some of the technical colleges and schools providing courses for the building industry.

"The successful expansion of this form of training so urgently needed at the present time depends almost entirely upon the enthusiasm and efforts of the building trades employers. It requires their willingness to co-operate wholeheartedly with the educational authorities in selecting and encouraging suitable candidates for training, and, during the initial stages, in affording every possible assistance in the provision of capable lecturers, trainers and discussion group leaders from among their staffs to conduct these new courses, because it is essentially practical and not theoretical instruction that is required.

"The National Federation is constantly trying to establish far closer liaison between its members and technical colleges throughout the country so as to co-ordinate the joint responsibility of employers and educationalists in dealing with this matter.

"Considerable progress has already been made in the establishment of courses of foremanship training, but it will require time and patience to institute and develop on satisfactory lines the various forms of managerial training required by such a complex and diverse industry as building.

"The results of the empiric work already undertaken are very encouraging, and I am confident that, provided building trade employers are prepared to realise the importance and urgency of the matter, and give an enlightened lead to all in their employment, a steady improvement in general supervision and administration in the industry will result."

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EXPORT ENQUIRIES INVITED

FOREMANSHIP TRAINING COURSES

Winter Session Arrangements

A COURSE in general foremanship will be held at Wandsworth Technical College on one evening a week throughout the coming session. The course is intended as a preliminary to that now being held at Brixton and Hammersmith Schools of Building and conforms to the recommendations of the National Federation of Building Trades Employers. The fee for the course is £1 and details are obtainable from the Principal of the college, Wandsworth High-street, S.W.18.

It is proposed to institute at the Croydon Polytechnic, Selhurst-road, S.E.25, commencing on October 5, a discussion group for the benefit of building supervisors which will be open to the foremen and supervisors both of contracting and maintenance firms. The subjects to be covered are: A survey of the duties and responsibilities of foremen and supervisors in relation to mensuration and surveying, building practice, site planning and organisation, site administration, personnel management and welfare.

The Croydon Polytechnic is also starting a course in foremanship on similar lines to those which are at present in progress at other technical schools in London.

USE OF PAINT

Economy Recommendations Withdrawn

The Ministry of Health has informed local authorities that as linseed oil is no longer subject to control and as paint is in free supply, it has been decided to withdraw all recommendations made by the Government for economy in the use of paint for building construction and maintenance. As regards housing authorities, the Paint Supplements to M.o.H. Circular 76/46, dated April 10, 1946, should now be cancelled.

The Ministry adds that a new edition of the Handbook of British Standards for Building Materials and Components (B.S. Handbook No. 3, 1950) has been issued by the British Standards Institution. Whilst the Handbook is basically related to housing, its contents cover British Standards for all types of building. Copies may be obtained, price 25s., post free, from the British Standards Institution, 24/28, Victoria-street, London, S.W.1.

L.M.B.A.

THE BUILDING PROGRAMME

L.M.B.A. President's Advice: "Get on with it"

SPEAKING at a meeting of his Northern Area in Hendon last Wednesday on the outlook for the building industry in the light of the growing rearmament programme, the President of the London Master Builders' Association, MR. R. R. COSTAIN, C.B.E., made a strong plea to builders, employers and operatives alike to concentrate on the job in hand and not allow themselves to be distracted by wars and rumours of wars.

"Our present duty is clear," said Mr. Costain. "We get on with the job. We have 200,000 houses to build this year, next year and the year after, apart from factories, schools, hospitals, and all the rest of it. That is quite a sizeable programme. Not as big, perhaps, as some of us would like it to be, but quite big enough to keep us, with our present resources, going at very considerable pressure.

"We cannot afford, therefore, to waste time speculating on what may or may not be the rearmament programme next year. That is the Government's job. If they want us to switch to the making of munitions factories, we shall switch, but until we get new marching orders, let us get on with the present programme and complete it up to time.

"As I have emphasised before, and never tire of emphasising, the better we work and the quicker we work, the greater is our chance of persuading the Government to increase the size of the programme it allocates to the building industry and the higher will be the standing of that industry in the eyes of our ultimate masters, the Great British Public."

BUILDING RESEARCH

L.M.B.A. Visit to Watford

MEMBERS of the L.M.B.A. Administrative Committee, headed by the President, paid a visit to the Ministry of Works Building Research Station at Garston, Watford, last week to see the extent of the research which is actually being carried on by the Ministry of Works.

For several months past, the L.M.B.A. has had a Research Committee at work trying to find ways and means to bring to the knowledge of members the vast amount of active research into building methods which, one way and another, is being carried out. The purpose of the visit to Watford was to let the L.M.B.A.'s Administrative Committee see what is being done. The visit began with an address by the Director, Dr. F. M. Lea, on the work of the Research Station. This includes research into the structure of materials, foundations, heating, lighting and acoustics, and there is close co-operation between it and the Building Standards Institution, and the other Ministries interested in building. The party was entertained to lunch in the canteen, and afterwards did a tour of the laboratories under the guidance of Mr. A. D. Cowper.

All the members of the Committee, some of whom had previously visited the Station, were greatly interested in the work that is being done at Watford, and it is hoped to arrange visits for parties of L.M.B.A. members to go over the Station.

FOREMEN AND EMPLOYERS

L.B.F.A. Ladies' Festival

THE suggestion that some employers would be well advised to "look a little deeper" into their dealings with their general foremen, was made by MR. D. F. COX, vice-president, L.M.B.A., when he spoke at the annual Ladies' Festival dinner of the London Builders' Foremen's Association which was held at the Connaught Rooms, Holborn, on September 23. The chairman was Mr. G. Winstanley, president, L.B.F.A.

In proposing the toast of "The L.B.F.A. and its President," Mr. Cox recalled the formation of the L.B.F.A. 30 years ago and said that it was even more important to-day that the co-operation then envisaged between employers and foremen should continue to be fostered and strengthened in every way. The general foreman occupied a position in the building industry which became more and more onerous.

Mr. Cox went on to say that he believed that employers (he was one himself) did not always give their general foremen the consideration to which they were entitled. He drew a comparison between a general foreman and a sturdy oak tree and declared: "Like an oak tree our general foremen stand firm and foursquare to the winds of adversity that beat upon them on our contracts.

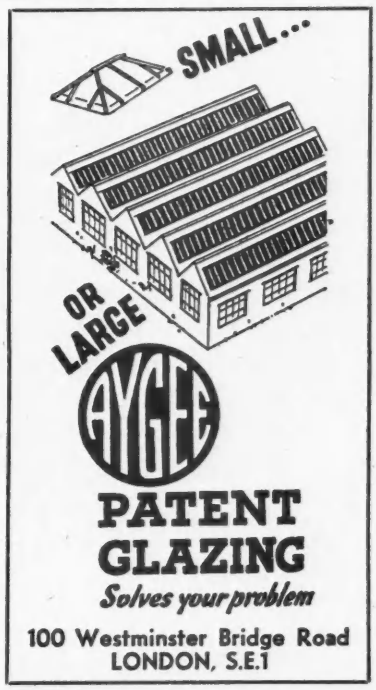
"Many of them, I am glad and grateful to say, grow old, if not gnarled, in our service, but I must admit that, like the lonely oak tree which over many, many years moulds itself into and becomes a part of the landscape, and thus escapes very often our direct and immediate notice, so we are apt sometimes to overlook the devotion to duty and the value of service which you give us.

"In saying this," continued Mr. Cox, "let it not be imagined that I am holding myself or my fellow-employers up for criticism; rather do I make the statement out of an affectionate and earnest regard for all of you who serve us so well, and as a gentle hint that some of us at least would be well advised to look a little deeper into our dealings with you individually.

"So far as you are concerned collectively, this year we have taken a very great step in the direction I have indicated. There are several first-class organisations for general foremen and clerks of works, but it has always been a matter of regret to my Association that they have lacked co-ordination of effort and intention. I know that my president regards the London Regional Council of Builders' Foremen and Clerks of Works as a step forward of the greatest importance in regard to our mutual relations with obvious advantage to our industry. I look upon that body as one which will be in a position to discuss with us authoritatively matters of mutual interest."

Mr. Cox said that the relations of the general foreman with his employer should be founded on good will and respect, and to suggest that these needed any precise definition on paper would, he thought, be detrimental to that spirit which must exist between them. There were, of course, certain canons of relationship which should, and indeed must, be observed, but he hoped that it would never be found necessary to attempt to define their relations beyond that broad basis.

Mr. Winstanley, responding to the toast, said that it pleased him to hear Mr. Cox acknowledge the important position which the foreman held in the industry to-day and to know that, generally, there was no longer any coolness of feeling between him and his employer. While, however, he appreciated the willingness which employers had already shown in co-operating with the L.B.F.A., he wanted to secure their further support to the setting up of boards of junior foremen whose members would be able to visit sites and also to study the negotiations which took place before building operations actually began.



IN PARLIAMENT

Timber Imports

On September 19, MR. HURD asked the President of the Board of Trade if he was satisfied with the proportion of the timber now coming from the Union of Soviet Socialist Republics which was suitable for house construction; and how the cost, c.i.f., of this timber compared with the price asked for comparable Swedish supplies which the Timber Control declined to buy.

MR. HAROLD WILSON said that in reply to the first part of the question, the timber bought from the U.S.S.R. included, as must all major contracts, types required for many uses in this country. He was satisfied that the proportion suitable for house construction was most satisfactory. The answer to the second part of the question was that the Swedish prices asked seven or more months ago were f.o.b., and no specific quantity of timber was attached to them. If current freight rates from Sweden were added to these prices, the result would be lower than the c.i.f. price of Russian softwood, since freight rates from Russia had, for obvious reasons, increased steeply within recent weeks.

On September 19, MR. NIGEL FISHER asked the President of the Board of Trade whether, in view of the fact that timber scantlings most suitable for houses were 2 in. by 7 in., 2 in. by 4 in. and 2 in. by 3 in., he would state what proportion of timber in the Russian contract conformed to these sizes.

MR. WILSON said it was not the practice to disclose details of the Timber Control's contracts.

BUILDING CONTROL

From a Correspondent

LAST WEEK I came across an example of the way the Ministry of Town and Country Planning is perpetuating slums. An ex-Service man is living, to-day, in a Nissen hut on a former R.A.F. camp. The hut is one of the mushroom growths of the war with a thin tin external walling, which is now so much rusted away that the light shines through. Rats are frequent visitors, for colonies thrived on the bread thrown into the local ditches by airmen from 1941 to 1945. His children's clothing is frequently soaked by condensation and by rain which enters through holes in the roof and walls.

This man is earning £12 a week or more as a highly-skilled mechanic. He has his own car, which he garages in a temporary shack which he has been allowed by the local council to erect on a patch of ground close by. He has the offer of some land at one end of the local village, where there is a frontage on a main road and water and electric light facilities are available. Within 200 yards of this site, on which he wishes to build his own house, are a number of "prefabs" and permanent Council houses.

Early this year he sent to the Ministry of Town and Country Planning plans in quintuplicate, and after several months' delay has been refused permission to build. The reason given is that the Ministry has decided to develop one end of the village before the other.

It is difficult to believe that Mr. Dalton would wish to prevent a man getting his family out of a hut which is not suitable for children, and building his own home. The Government control, in this and many other cases, is putting the dead hand on individual enterprise.

NEW COMPANIES

THE FOLLOWING NEW COMPANIES registered in England have been announced by Jordan and Sons, Ltd., company registration agents:—

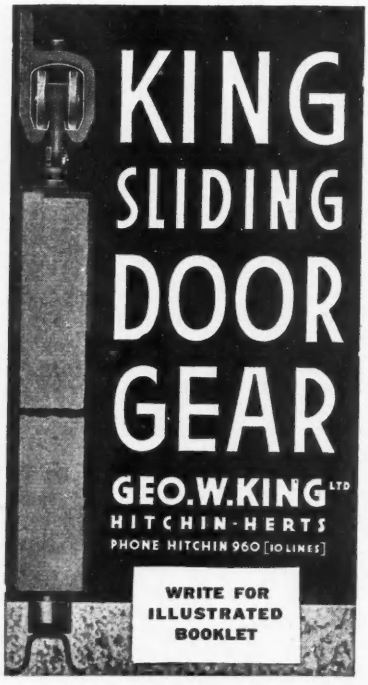
C. S. Warner and Co., Ltd. (485,646). Regd. August 24, 75, Main-rd., Gidea Park, Romford, Essex, bldrs., etc. Nom. cap.: £500. Dir.: C. S. Warner, 205, Abbs Cross-la., Hornchurch, Essex. Frederick J. Rostance and Son, Ltd. (485,650). Regd. August 24, Stone Cross, Penkridge, Staffs, bldrs., contractors, etc. Nom. cap.: £5,000. Dirs.: A. J. Rostance and Fanny Rostance, The Square, Penkridge. Builders Supplies (Balham), Ltd. (485,681). Regd. August 25, 40, Upper Tooting-rd., S.W.17, bldrs.' mchts., etc. Nom. cap.: £2,000. Dirs.: D. H. Henderson and Eleanora A. Henderson, 1, Aubrey-rd., Kensington, W.8. F. E. Sturgeon, Ltd. (485,687). Regd. August 25, Long-la., Liverpool, 9, stonemason and stone importer. Nom. cap.: £10,000. Dir.: B. Mohan, Highfield, Cwm-rd., Dyserth, Flintshire.

Holmpress Piles, Ltd. (485,692). Regd. August 25, 80, Barnsley-st., Hull, piling contractors and constructors of foundation works, etc. Nom. cap.: £20,000. Dirs.: A. B. Holmes and Ethel M. Holmes, 241, Northgate, Cottingham, Hull.

E. Conquest, Ltd. (485,724). Regd. August 26, 120, St. Asaph-rd., S.E.4, bldrs., contractors, etc. Nom. cap.: £2,000. Dir.: E. J. Conquest, 120, St. Asaph-rd., Brockley, S.E.4. Helmer and Co. (Elvedon), Ltd. (485,729). Regd. August 26, 1/3, Market-sq., Bishops Stortford, Herts, bldrs. and contractors, etc. Nom. cap.: £500. Dir.: L. A. C. Helmer, White-hse., High Wych, Sawbridgeworth. John Livesley, Ltd. (485,733). Regd. August 26, 254, Cross Flatts-gr., Leeds, 11, painters, decorators and decoration experts, etc. Nom. cap.: £100. Dir.: W. C. Livesley, 254, Cross Flatts-gr., Leeds. T. and G. Contractors, Ltd. (485,751). Regd. August 26, Station-chmbrs., St. Leonards-st., Peterborough, agricultural and public works contractors, etc. Nom. cap.: £3,000. Dir.: F. Terrell, 108, Newark-ave., Peterborough.

Modern Scaffolding, Ltd. (485,773). Regd. August 28, 12, Union Court, Old Broad-st., E.C.2. Nom. cap.: £100. Dir.: S. Smith, Grange Cottage, Lyonsdown-rd., New Barnet, Herts. Peacock and Caston, Ltd. (485,779). Regd. August 28, bldrs., 8, Lower Cliff-rd., Gorleston-on-Sea, Gt. Yarmouth. Nom. cap.: £3,000. Dir.: A. S. Peacock, 84, Springfield-rd., Gorleston-on-Sea. Walter C. Smith and Sons, Ltd. (485,853). Regd. August 30, 19, Prospect-rd., Scarborough, painter and decorator. Nom. cap.: £1,000. Dir.: W. C. Smith, 15, Northstead Manor-dr., Scarborough. Richmond Construction, Ltd. (485,805). Regd. August 29, bldrs., etc. Nom. cap.: £100. Sub.: I. Trish, 5 and 6, Raymond-bldgs., Grays Inn, W.C.1.

T. Houston and Co., Ltd. (485,811). Regd. August 29, 130, Cross-la., Salford, 5, kitchen, shop and canteen fitters. Nom. cap.: £5,000. Dir.: T. F. Duffy, 32, Lancaster-ave., White Field, nr. Manchester. K. D. Homes, Ltd. (485,842). Regd. August 30, 34, Lichfield-st., Bilston, Staffs, bldrs., contractors, etc. Nom. cap.: £2,000. Dir.: J. A. Findlay, 18, Osterley-ct., Osterley, Mdx. Walter Fields and Co., Ltd. (485,888). Regd. August 31, Hidu Pillars Works, Heppenstall-la., Sheffield, 9, engrs. and contractors, etc. Nom. cap.: £1,000. Dir.: W. Fields, 59, Crowder-cl., Sheffield, 5. G. Saunders, Ltd. (485,903). Regd. September 1, 10, Thayer-st., W.1, bldrs. and contractors, etc. Nom. cap.: £500. Dirs.: G. Saunders and Mrs. N. M. Saunders, 107, Porland-cres., Greenford, Mdx.



NEWS IN BRIEF

Houses for Policemen

A proposal that one house on each of the municipal housing estates at Bradford should be allocated for occupation by police constables was defeated by 52 votes to 14 at the September meeting of Bradford City Council.

Home News for Abroad

News of the L.M.B.A. certainly gets about. Witness this true story, for which the Director, Mr. G. H. A. Hughes, vouches. His elder son is the chief officer on s.s. *Orient City*. On July 20, sailing from Durban for Madras, he tuned in to a B.B.C. overseas news broadcast. The first item he heard was an extract from a speech by Mr. Richard Costain, President, L.M.B.A., on the occasion of the L.M.B.A.'s half-yearly general meeting.

Operatives' Initials on New Buildings

To encourage a sense of pride in achievement, Coventry City Council have agreed with Messrs. Higgs and Hill, Ltd., now building Block "B"—the first of the city's permanent buildings in the new city centre—that the initials of all operatives working satisfactorily for 12 months or more shall be carved in stone in the building.

Cast-Iron Pipes Economy

The Minister of Health, in a circular (85/50) urges all local authorities and water undertakers to observe as much economy as possible in the use of cast-iron pipes. The circular states that a general practice of requiring two lines of mains on all new housing roads might increase demands for housing schemes by as much as 75 per cent. An increase on this scale could be met only at the expense of the schemes of rural water supplies that are being put in train throughout the country to supply houses which at present have no piped water supplies, and to meet agricultural requirements.

Local Authority Incentive Schemes

The Ministry of Works informs us that in connection with the report on "Incentive Schemes Operated by Local Authority Direct Labour Forces," given in our last issue, the second paragraph under the sub-heading "Effect on Labour Costs" should be deleted and the following substituted:

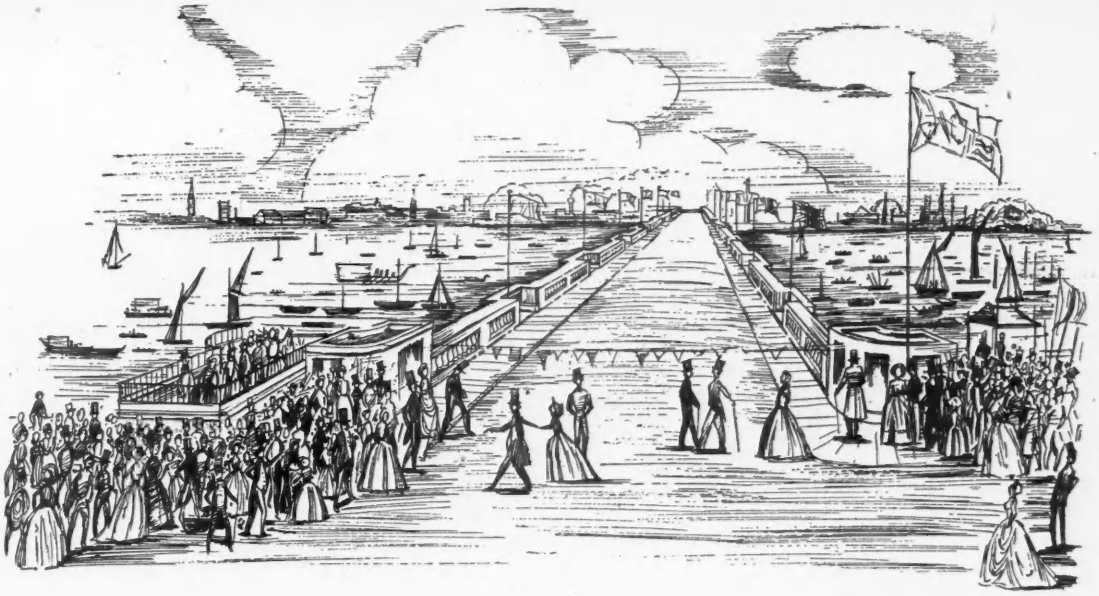
The average saving recorded on the 32 schemes on which detailed information was submitted was 7 per cent. of the total labour cost of the work, whether bonused or not. The percentage saving on bonused work was, of course, appreciably higher.

Lectures on Welded Structures

A series of lectures on "Theory and Design of Welded Structures" will be delivered at the Northampton Polytechnic, St. John-street, London, E.C.1, on Monday evenings at 7 p.m., commencing on October 9 next. Nine lectures will deal with revision and extension of the necessary theoretical work, with particular emphasis on modern methods of structural analysis; these lectures will alternate with eight which deal with practical aspects of the design and application of welded structures. Fee for the course is 30s.

Working Rule Amendment

The National Joint Council for the Building Industry has approved the incorporation of an additional clause relating to a tool allowance for masons in National Working Rule 3(E). Also a list of tools has been published.



There was a time . . .

when ambition and enterprise were encouraged, and men were given freedom to expand their businesses for the good of the community ; such a time as this was the opening of Waterloo Bridge on June 18th, 1817. At this time, nearby in Wellington Wharf, a small Company just two years old, by the name of John Eastwood, was beginning to establish itself as a highly reputable firm of building material manufacturers and merchants, and there is little doubt that some of their staff witnessed this memorable occasion.

That staff, courteous, helpful and obliging, has grown in size beyond all recognition, and with them the number of building products which they now handle. But despite the considerable increase in personnel and the now large range of materials, there still remain the ever recognisable hallmarks of Eastwoods—service, quality and courtesy which are as prevalent today as they were when our pioneers welcomed their first customer in 1815.

Eastwoods *FOR ALL RELIABLE BUILDING MATERIALS*

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WOOD BLOCK, PARQUET STRIP (HARDWOOD) & MAGNESITE JOINTLESS COMPOSITION (NEW CODE OF PRACTICE) FLOORINGS, MOSAIC, TERRAZZO & MARBLE PAVINGS, RUBBER & LINOLEUM.
RESURFACING OF EXISTING FLOORS BY MACHINE.
"FLUID-GLASS" TREATMENT FOR LINOLEUM.

LMBA

To Whom it may concern. 29th September, 1950

Dear Sir(s),

WOOD BLOCK AND SPECIALIST FLOORINGS

PARQUETRY. At long last, we have been able to import the genuine Austrian Oak for converting into ¼" Oak parquet flooring, either herringbone or strip. Stocks are now available, and we shall be happy to quote for same laid and polished complete.

Provided the buildings are ready, we can commence any job within 48 hours of receiving an order.

Now that most hardwoods are decontrolled—Maple and Birch are still licensable—there is no reason why wood block flooring should not take its pre-war position as the best of all floorings. We have almost unlimited supplies of Oak, Beech, and other Continental timbers and, in particular, stocks of Colonial timbers such as MUAVE (harder than Maple but really beautiful in appearance), Panga Panga, Mugonha, etc. These latter woods have come to stay and we are laying many thousands of yards of these 1" nom. East African hardwood block floors in Schools, Office Buildings, Factories, etc. If any Architect would care to inspect an Office Building where these floors have been laid, he has only to contact these Offices and either of the partners will be happy to arrange a visit to one or other of the jobs in London or elsewhere. No Timber Control Licence is required for any of these hardwoods. For School floors there is nothing to compare with these hardwoods, in block or strip.

All our floorings are kiln dried to between 10%—12% moist content, thereby eliminating the possibility of the Timber being affected by Lyctus beetle, now so prevalent.

HOUSING. The Ministry of Health having suggested that, owing to the shortage of softwoods, hardwood be used for Ground Floors, we have in stock a large quantity of ¾" (nom.) Oak flooring blocks, tongued and grooved section, and we can accept orders for immediate execution. A cheaper floor can be provided in ¾" (nom.) Maritime Pitch Pine, a timber almost like American Pitch Pine, both in appearance and hardness. Samples are available. Here again, we do not require Timber Control Licences, for either hard or softwoods.

We have said nothing about repairs, resurfacing and repolishing old wooden floors, or referred to our genuine Magnesite jointless flooring, but our previous references to these details still stand and such jobs can be quickly dealt with.

Please send us your Enquiries: we are not always the cheapest but we do give you a good job.

Yours faithfully,

The Philip Flooring Company, Ltd.

P. D. Philip.

Director.

Rural Cottages in Ireland

Dame Dehra Parker, Minister of Health of Northern Ireland, announced recently that two Northern Ireland firms were prepared to provide 2,000 cottages in rural areas by the end of 1952 to be let at 7s. 6d. a week. The " basic quotation " of each house is £800.

Apprentices' Supper

Speaking at the fifth annual supper of the 82 apprentices employed by Messrs. Higgs and Hill, Ltd., on September 9, Mr. Stanley Farrow, M.B.E., gave a very concise and interesting talk on his trip to America with the Building Productivity Team. This was followed by a film, taken by Mr. Farrow, showing his impressions of the American Industry and giving his audience a clear picture of American methods. Speaking earlier, Mr. Gerald Hill, a director of the firm, emphasised to his apprentices the importance of having pride in craftsmanship and told them never to be ashamed of being proud of their work. He said that the firm now had one apprentice to every eight carpenters and one apprentice to every eleven bricklayers in the London area, and since October, 1949, had employed 20 new apprentices.

THE SCOTTISH BUILDER

NEW BUILDINGS

Aberdeenshire.—North Eastern Regional Board to carry out scheme of reconstruction and additions to the home at Mand, for which the architect is Leo Durnin, 252, Union-st., West End, Aberdeen.

Dumbartonshire.—Plans to be prepared for additions to the motor factory buildings of Albion Motors, Ltd., Scotstoun; for which the architects are Wylie, Shanks & Wylie (FF.), 120, Blythswood-st., Blythswood-sq., Glasgow, W.C.2.

Dundee.—From plans by their own staff of designers, the Caledon Shipbuilding and Engineering Co., Ltd., Caledon Works, Dundee, are to erect new buildings for offices, and other work.

Glasgow.—Plans are to be prepared for new garages, etc., for the Co-op. Society, Ltd., to be erected at Kemp-st. and for which the architects are James Taylor Thomson and MacCrae (FF.), 212, Bath-st., Glasgow, W.C.2.

Glasgow.—Plans to be prepared for Kennedy, MacLeod & Co., Ltd., for extensions and other works, to be erected at St. Vincent-cres., and for which the architect is Magnus Duncan, 243, Eglinton-st., Eglinton Toll, Glasgow, S.

Glasgow.—Plans to be prepared for office buildings, etc., to be erected at the Gushetfaulds area for the Acme Tea Chest Co., Ltd., and for which the architect is Thomas A. Gardner (F.), Blythswood-chbrs., West George-st., Blythswood-sq., Glasgow, W.C.2.

Greenock.—Plans are in course of preparation for the Scottish Industrial Estates, Ltd., Glasgow, for two factories to be erected for local firms, John Drummond & Co., Ltd., and John Mitchell & Co., Ltd., plumbers, as the first development of the Caird's shipyard site and for which the architects are Watson, Salmond & Gray (F.A.), Central Station-bldgs., Union and Gordon-st., Glasgow, C.1.

Lesmahagow.—Plans are to be prepared for Donald Smith, Royal Hotel, for additions and alterations at the hotel, for which the architect is R. MacLatchie, 11, Sycamore-terr., Corstorphine, Edinburgh.

FUTURE CONSTRUCTION

PUBLIC APPOINTMENTS

Full details of Public Appointments open will be found in the Advertisement pages of this and previous issues.

CONTRACTS OPEN

For some contracts still open but not included in this list see previous issues. Those with an asterisk are advertised in this number. The dates at the heads of paragraphs are those for the submission of tenders; a dagger (†) denotes closing date for applications; the name and address at the end refer to the person from whom particulars may be obtained.

BUILDING

SEPTEMBER 30.

*†**Whitby U.D.C.**—Five houses, 3 flats and 3 shops at Well Yard area, Church-st. Peacock & Bewley, 224, Hagley-rd., Edgbaston, Birmingham, 16. Dep. £2 2s.

OCTOBER 4.

*†**Newton and Llanidloes R.D.C.**—Eight houses at Llangurig. Walter B. Bond, F.R.I.C.S., Colmore-chbrs., 3, Newhall-st., Birmingham, 3. Dep. £3 3s.

*†**Plymouth T.C.**—(a) 7 Shops, 7 maisonettes, 24 houses, 4 workshops and 14 garages at Ernesettle; (b) heating and hot water supply systems at Primary School, Barne Barton; (c) electrical installation at Primary School, Barne Barton. City A., Seymour-rd Dep. £3 3s each section.

*†**Wandsworth B.C.**—Erection of 8 single-storey aged persons' dwellings and conversion of existing building into hostel at Upper Tooting-rd. T.C.

OCTOBER 5.

*†**Hampstead B.C.**—(1) 112 flats at Shoot-up Hill, Cricklewood; (2) 25 flats at Lawn-rd. T.C.

OCTOBER 6.

*†**Gloucester R.D.C.**—Conversion of blocks 6-15 at Brockworth hostel into flats. Dancey & Meredith, Bleak House, Station-rd., Gloucester. Dep. £2 2s Tenders by October 27.

OCTOBER 7.

*†**Staffs C.C.**—Improvements to office accommodation at Rowley Regis, Cradley Heath County Secondary School. A. C. H. Stillman. Dep. £2 2s.

*†**Staffs C.C.**—Erection of County Primary School in sectional timber construction at Ocken Hill, Tipton. A. C. H. Stillman, Architect & S., Green Hall, Lichfield-rd.

*†**Staffs. C.C.**—Alterations and adaptations to Red Gables, Uttoxeter. A. C. H. Stillman, Architect & S., Green Hall, Lichfield-rd., Stafford. Dep. £2 2s.

OCTOBER 9.

***Canterbury City.**—70 houses, London-rd. housing site. L. Hugh Wilson, City Architect. Dep. £2 2s.

*†**Chester T.C.**—Public conveniences at Hamilton-pl. City E. & S. Dep. £1 1s.

*†**Cornwall C.C.**—Adaptations at Pencalenick House, nr. Truro, for conversion into special school. S. Gregson (F.), County A., County Hall, Truro. Dep. £3 3s.

*†**Cornwall C.C.**—New workshops, etc., at Falmouth Technical Institute, Killigrew-rd. S. Gregson (F.), County A., County Hall, Truro. Dep. £2 2s.

*†**Coventry T.C.**—Adaptation of part of London-rd. establishment. City A. & Planning Officer, 1a, Warwick-row. Dep. £2 2s. Tenders by October 30.

*†**Somerset C.C.**—New infants' school, Bath-rd., Wells. R. O. Harris (F.), C.A., Park-st., Taunton. Dep. £2 2s.

OCTOBER 10.

†***Essex C.C.**—Three new schools. H. Conolly (F.), C.A., Chelmsford.

*†**Folkestone T.C.**—Two shops with living accommodation over and two houses at Horn-st., site No. 2, contract " F." B.E., Municipal Offices. Dep. £3 3s.

OCTOBER 12.

*†**Hampshire Police Authority.**—One pair of police houses at Hanley-row Police Station and two pairs at Whitehall Police Station. County A., The Castle, Winchester. Dep. £1 1s.

*†**Portsmouth T.C.** — Shops, showrooms and maisonettes (section No. 2) at Palmerston-rd. City A., Municipal Offices. Dep. £3 3s.

OCTOBER 13.

***Harrow U.D.C.**—12 dwellings at Elstree Hill estate. E. & S., Council Offices, Uxbridge-rd., Stanmore. Dep. £2 2s.

*†**Portsmouth T.C.**—Refectory at Milton Training College. City A., Municipal Offices. Dep. £1 1s.

OCTOBER 14.

***Cardiff T.C.**—Infants' school at Splott. City S., City Hall. Dep £2 2s.

***Merthyr Tydfil C.B.**—Conversion of Penoyre Mansion, Brecon, into school for delicate children. B.E. & Architect, Town Hall. Dep. £2 2s.

OCTOBER 16.

***Luton T.C.**—Sewage works, manager's houses, at Farley Hill estate. B.E., Town Hall. Dep. £2 2s.

***Ruislip-Northwood U.D.C.**—16 flats at Salisbury-rd., Eastcote. E. & S., Council Offices, Oaklandsgate, Northwood. Dep. £2 2s.

***Wood Green B.C.**—Six flats at Marlborough-rd. B.E. & S., Town Hall. Dep. £2 2s.

OCTOBER 18.

***Bootle C.B.**—Reconstruction of chief officer's house at Central Fire Station. B.S., Town Hall. Dep. £2 2s.

OCTOBER 19.

***St. Ives R.D.C.**—Six houses at Bury with drains, paths, etc. Lea, Milner, Doe & Wardley, 4, Market-hill, Huntingdon. Dep. £2 2s.

*†**West Riding C.C.**—Erection of Rossington Primary, Conisbrough Morley-pl. Primary, and Elland Primary Schools; and extensions to Castleford Whitwood Mining and Technical Institute and Dinnington Mining and Technical Institute. County A., Bishopgarth, Westfield-rd. Dep. £2 2s. each. Tenders by November 6.

OCTOBER 20.

*†**Epping U.D.C.**—Seven pairs of houses, Beaconfield estate. S., 91, High-st. Dep. £2 2s. (Tenders by November 14.)

***Swadlincote U.D.C.**—Underground public conveniences and alterations to front of Town Hall. E. & S., Bank House, Midland-rd. Dep. £2 2s.

OCTOBER 21.

***Warrington C.B.**—Six houses and lock-up shops at Dallam Farm estate. B.S., Town Hall. Dep. £2 2s.

OCTOBER 23.

***Billericay U.D.C.**—10 houses at Billericay permanent site, contract No. 12. S., Council Offices. Dep. £2 2s.

***Dartford T.C.**—24 flats and eight houses at Temple Hill estate. B.S., Barclays Bank-chbrs., High-st. Dep. £2 2s.

***Isle of Ely C.C.**—Infants' school, Downham-rd., Ely. R. D. Robson (A.), County A., County Hall, March. Dep. £4 4s.

***Weymouth and Melcombe Regis T.C.**—78 houses, Downclose estate. B.E. & S., 6, Pulteney-bldgs. Dep. £2 2s.

OCTOBER 25.

***Deptford T.C.**—Complete reinstatement of Town Hall clock turret. B.E. & S.

OCTOBER 27.

***Bournemouth C.B.**—One police house at junction of Leybourne-ave. and Hoxley-rd., Northbourne. Boro' A. Dep. £2 2s.

OCTOBER 28.

***Merioneth E.C.**—Three-class primary school at Dinas Mawddwy. Norman L. Jones (L.), County A., County Offices, Dolgelley. Dep. £3 3s.

OCTOBER 30.

***Camberwell B.C.**—186 multi-storey flats at Lordship-la. estate. T.C., Town Hall. Dep. £5 5s.

OCTOBER 31.

***Heston and Isleworth B.C.**—(a) 46 houses, and (b) 24 dwellings at Twickenham-rd. estate. B.E. & S., 88, Lampton-rd., Hounslow. Dep. £3 3s.

***Heston and Isleworth B.C.**—14 dwellings in one 3-storey block, and 12 aged persons' bungalows at Hounslow West estate. B.E. & S., 88, Lampton-rd., Hounslow. Dep. £3 3s.

NOVEMBER 6.

***Swansea C.B.**—New Primary School at Mayhill. Boro' A., Guildhall. Dep. £5.

PAINTING, ELECTRIC LIGHTING, MATERIALS, ETC.

OCTOBER 20.

***Barnes T.C.**—Internal decorations, 75 flats (three contracts). W. R. Shepherd, B.E. & S.

ROADS, SEWERAGE AND WATER WORKS

OCTOBER 25.

***Wandsworth B.C.**—Reconstruction of sewer at Larpent-ave., Putney. B.E. & S. Dep. £2 2s.

GENERAL BUILDING WORK (LONDON)

Greenwich.—Factory Extension, Etc.—Extension to factory and a permanent canteen with showroom over are to be erected at premises of Beatal Furniture Co., Penhall-rd., S.E.7.

"STIC B"
STONE COVERING
A DECORATIVE AND WATERPROOFING
TREATMENT FOR CONCRETE
CEMENT RENDERING
BRICKWORK, ASBESTOS, ETC.
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Lewisham.—REINSTATEMENT.—Simmonds & Brown, architects, 1, Central-chmbrs., Hendon Central, N.W.4, have prepared plans for reinstatement of Congregational Church, Algernon-rd.

Lewisham.—RECONSTRUCTION.—Dowton & Hurst, architects, 72, New Cavendish-st., W.1, have prepared plans for reconstruction of shop premises at Nos. 110, 112, 114, Lewisham High-st.

Lewisham.—FLATS.—Plans have been prepared by Hadfield and Jenkins, architects, 28, Monument-st., E.C.4, for two blocks of flats at Brockley-view.

Lewisham.—PARISH HALL.—Plans have been prepared by Royce, Butterfield & Roberts, surveyors, 6, Avery-row, W.1, for a parish hall at church of Good Shepherd, Moorside-rd.

Lewisham.—FACTORY.—Claude Hawks, architect, 298, Well Hall-rd., Eltham, London, S.E.9, has prepared plans for a factory building at 317, Lee High-rd.

Lewisham.—HOUSES AND FLATS.—Plans for two houses and two flats at Nos. 1-6, Leamington-villas, have been prepared by S. R. Hall, architect, 23, Dorville-rd., S.E.12.

Lewisham.—REBUILDING.—Wiltshire & Co., architects, 17, Lee High-rd., S.E.13, have prepared plans for rebuilding 111, Lewisham High-st.

Lewisham.—DWELLINGS.—Housing (Building) Com. approved layout plans submitted by Professor A. E. Richardson, R.A., F.R.I.B.A., 31, Old Burlington-st., W.1, for the development of Paragon-pl. site by the erection of 108 dwellings.

Lewisham.—FLATS AND HOUSES.—Boro' A. has prepared plans for 34 flats and five pairs s.d. houses at Somertrees-ave.

Lewisham.—FLATS.—B.C. to erect nine flats on sites of Nos. 38-42, Silverdale to plans by Boro' A.

Lewisham.—HOUSES.—B.C. to erect six houses on sites of Nos. 213-225, Springbank-rd. to plans by Boro' A.

Lewisham.—SCHOOL.—L.C.C. propose comprehensive high school at St. Magnus site, Dacres-rd.

Lewisham.—LAND FOR HOUSING.—B.C. propose to acquire through L.C.C. sites of Nos. 93-97, Ermine-rd., 16-24, Vicars-hill and 120-126, Embleton-rd. for housing purposes.

Lewisham.—SITE FOR FLATS.—B.C. to acquire land on north side of Whitefoot-la., adjoining No. 28, upon which Wates, Ltd., by arrangement with B.C., may erect 32 flats to plans by Boro' A.

Lewisham.—LAND FOR HOUSING.—B.C. to acquire land between Nos. 257-267, Standstead-rd. for housing purposes.

Stoke Newington.—FLATS.—E. C. Harris & Partners, 3, Bedford-sq., W.C.1, have been appointed quantity surveyors for scheme for 18 flats proposed by B.C. at Princess May-rd. and Belgrade-rd.

Stoke Newington.—ALTERATIONS.—Ord & Barnsley, surveyors, 33, The Mall, W.5, have received permission to carry out alterations at 414, Seven Sisters-rd. in order to extend existing synagogue.

(PROVINCIAL)

Accrington.—M.O.E. approved stage 1 of proposed College of Further Education, Broad Oak House, for Lancs C.C. Est. cost, £25,000. G. Noel Hill, County A.

Alnwick.—Robert Deuchar, Ltd., Newcastle-on-Tyne, propose extensive alterations to "Farriers' Arms" Inn, Shilbottle.

Altrincham.—T.C. approved plans for:—18 flats, Seymour-gr., for Sparke & Stephens, Ltd.—Savings bank, Manchester-rd., for Manchester & Salford Trustee Savings Bank, Ltd.—Extensions, "Arcot Hotel," for Mrs. D. M. Wilkinson, Architect, H. Hankinson, 3, The Downs, Altrincham.

Amlwch.—U.D.C. to erect 28 houses on site of Hills Works as first stage of scheme for 92.

Atherton.—U.D.C. received M.O.H. approval for extensions to Formby Hall. Architects, J. C. Prestwich & Sons, Bradshawgate-chbrs., Leigh, Lancs.

Birkenhead.—B.C. to invite new tenders for houses on war-damaged sites, Kingsley- and Clifford-sts.—To acquire 27 acres, Prenton Dell estate, for housing purposes.—Plans approved for:—Extensions, New Chester-rd. and Chamberlain-st., for British Leather Co., Ltd.—Workshop, St. Mary's Gate and White-st., for Motique Industries, Ltd.—6 houses, Egerton Park, for E. Williams & Son, Ltd.

Extensions to assembly hall, Corporation-rd., for Nat. Dock Labour Brd.—Extensions to offices, Argyle-bldgs., Hinson-st., for Argyle Buildings, Ltd.—Offices, 252, Price-st., for Vittoria Engineering Co., Ltd.—49 houses and 8 shops, Pensby-rd., Penryn-ave. and Berwyn-ave., for E. Williams.—Alterations, 77-79, Westbourne-rd., for West Cheshire Brewery Co., Ltd.

Bishop Auckland.—U.D.C. Surveyor, 50, North Bondgate, Bishop Auckland, has prepared plans for 118 houses, Woodhouse-cl. estate.

Bradford.—T.C. propose conversion of "Bolton House," Lister-la., as hostel for aged at £6,175.

Carlisle.—T.C. approved plans for:—Baptist Church, Briar Bank, for Carlisle Baptist Church.—Extensions, Holme Head Works, for Ferguson Bros., Ltd.—Factory buildings, Shaddongate, for Linton Tweeds, Ltd.

Carlisle.—City Council to borrow £106,791 for houses, Belah site. Contracts being negotiated with local builders. Plans by City E., 18, Fisher-st., Carlisle.

Chester.—Liverpool Reg. Hospital Brd. propose dining room accommodation, Royal Infirmary.—Architect to Brd., T. N. Mitchell, Alder Hey Hospital, Liverpool.

Clay Cross.—U.D.C. to invite tenders for 20 flats, Holmgate site.

Coalville.—U.D.C. received sanction to borrow £14,358 for conversion of Ellestown Hostel into housing units.

Darlington.—J. F. Sweeten, 43, Geneva-rd., Darlington, has prepared plans for 12 houses, Hurworth, for R.D.C. Contract will be let shortly.

Durham.—C.C. to spend £5,000 on new classrooms, Wolsingham Gram. Sch. County A., G. R. Clayton, Court-la., Durham.

Durham.—C.C. to purchase site on Parkhead estate, Winlaton, for a hostel.

Durham.—Following schls. have been included in County E.C.'s building programme for 1951-52:—Consett Sec. Gram., Bishop Auckland Girls' Gram., Boldon Colliery Sec. Mod., Easington Colliery Sec. Mod., Hebburn R.C. Gram. Tech. (1st instalment), Walworth Castle Special Sch. for Girls, Easington Tech. College (1st instalment), Barnard Castle Sec. Mod., Stockton Newtown Durham-rd. R.C. Prim., Blackhall R.C. Prim., and Fishburn Co. Prim. Inf. County A., G. R. Clayton, Court-la., Durham.

Eston.—U.D.C.'s housing programme for 1951 will include 126 houses, Grangetown, and 66, Normanby. Surveyor, N. C. Harrison.

Gateshead.—T.C. propose extensive alterations to central police stn. Plans by Boro' A., H. J. Cook.

Glendale.—T. J. Cahill, Lloyds Bank-chbrs., Alnwick, is preparing plans for R.D.C. for 65 houses, High Fair (Ramsey-la.) site.

Hale.—U.D.C. propose 24 houses, corner of Grove-la. and Delahays-rd.

Halesowen.—T.C. propose swimming baths at 1951 Festival project.

Hebburn-on-Tyne.—St. Andrew's Presbyterian Church authorities have approached U.D.C. regarding site for new church.

Houghton-le-Spring.—U.D.C. Surveyor (W. H. Smith) is preparing layout plans for houses on Cellar Hill estate and Fence Houses estate (2nd phase).

Leigh.—T.C. received M.O.H. approval for 20 houses, Hand-la. site, at £34,127. Lancs C.C. propose 6 police houses, Byrom-st.

Littleborough.—Fothergill & Harvey, Ltd., propose new blowing room and reconstruction works.

Market Drayton.—U.D.C. propose new housing site, Longslow-rd. Surveyor, J. G. Bailey.

Middlesbrough.—Tender documents to be prepared for packed meals centre, Eastbourne-rd., for T.C. Boro' E., J. A. Kenyon, Municipal-bldgs., Middlesbrough.

Middlesbrough.—Boro' E. (J. A. Kenyon) is preparing sketch plan for proposed memorial hall north of intended cross-town rd.

Morpeth.—Mauchlen and Weightman, Saville-row, Newcastle-on-Tyne, have prepared plans for R.D.C. for 10 houses, Mitford Village, and 8, Lynemouth. No contracts placed.

Newbiggin (Northumberland).—Robert Burke, Lambton-rd., Jesmond, Newcastle-on-Tyne, is architect for R.C. church.

Newcastle-on-Tyne.—Extensions to be made to works of Bridges Auto Electrical Co., Carliol-pl. Plans by Architect's Dept., Chloride Electrical Storage Co., Ltd., Clifton Junction, Manchester.

Newcastle-on-Tyne.—Plans by G. H. Gray & Partners, Camden-st., North Shields, for a new sch. to cost over £140,000, have been approved.

Newcastle-on-Tyne.—J. T. Bell & Sons, Northumberland-pl., Scarborough, to erect 4 houses, Ivymount-rd. E. M. Lawson, Barras-bldgs., Barras Bridge, Newcastle, is architect for proposed alterations, Neville-st. and Grainger-st., for J. Deuchar, Ltd.—Factory alterations proposed, Benfield-rd., for Tizer, Ltd., to plans by G. Bearon, 11, The Rock, Bury.

Northampton.—Oxford Reg. Hospital Brd. approved public health lab., General Hospital.

N. Riding.—During 1951-52, County E.C. intends beginning work on following schools:—Loftus Co. Inf., Redcar R.C. Prim., Romanby Co. Prim., Richmond Co. Mod., Grangetown R.C. Inf., Thirsk Co. Gram. and Mod., Thornaby R.C. Jun., and Eston Co. County A., County Hall, Northallerton, Yorkshire.

N. Riding.—Contracts to be let shortly by C.C. for Redcar Co. Girls' Gram. and Commercial Sch., to cost £154,400, and the Guisborough Co. Inf. School at £61,000. County A., County Hall, Northallerton.

Northwich.—R.D.C. received M.O.H. approval for layout of Weaverham Church Farm site.

Notts.—E.C. included following schools in 1951-52 programme: Kirby-in-Ashfield, Greenwood-dr. Jn. and Inf.; Mansfield, Stafford-st. Inf.; Beeston, Sunnyside Farm Prim.; Arnold, Calverton-rd. Prim.; Newark, Winthorpe-rd. Prim.; Beeston, Sec. Tech.

Kirby-in-Ashfield, adaptations to miners' hostel; Mansfield Woodhouse, completion of Carlton New Gram., Coxs-la.; Worksop, Sec. Tech.; Mansfield, continuation of phasing of College of Further Education; Newark, additional accommodation, Tech-College; Worksop, extensions, College of Further Education.

Approved supplementary list of further urgent schools:—Collingham Prim.; Hucknall R.C.; Worksop, Kilton Hill Jn. and Inf.; Mansfield Woodhouse, Ley-la. Sec.; Newark, Lincoln-rd. Sec.; Southwell Sec.; Mansfield Sec. Tech. for Girls; Selson Prim.; East Leake Sec.; Mansfield, Bancroft-la. Jn.

Annesley Prim. Jn. and Inf.; Arnold, Daybrook Jn., Mixed and Inf.; Sutton-in-Ashfield, Stoneyford-rd. Mod.; Misterton Sec. Mixed; Bingham Sec. Mixed; and Tuxford Sec. Mixed.

Partington (Ches.).—Petrochemicals, Ltd., to spend further £2½m. on completion of new plant.

Rawtenstall.—T.C. to proceed with flats, Alder-st. Boro' E., J. A. Whyte.

Rotherham.—E.C. propose extensions to College of Technology. Boro' E., E. J. Manson.

Ryton-on-Tyne.—U.D.C. approved plans by B.E.A. for new power station on site of old Blaydon race-course. Est. cost, £15m.

Scarborough.—Corpn. T.P. Com. approved plans for converting "Wessex Hotel," Esplanade, into 22 flats.

Sheffield.—M.O.H. approval sought for out-patients' dept. and labs., Jessop Hospital for Women.

Shilbottle (Northumberland).—Site plan has been approved for rebuilding Shilbottle Workmen's Club. Secretary, A. W. Riddell, 2, Sea View, Shilbottle, Northumberland.

Silsden.—U.D.C. received sanction to borrow £28,058 for 20 houses, Dradishaw-rd. estate.

Stand (Lancs).—Licence (value £9,000) received for rebuilding blitzed Unitarian Chapel.

Stockport.—B.C. to invite tenders for 53 houses, Thornley site.—Approved 4 shops and 4 flats, Brinnington estate. Approved plans and estimate (£5,858) for wash-house, Reddish. Plans approved for:—Extensions, Portwood Gas Works, for N.W. Gas Brd.—Canteen, Buxton-rd., for Slumberland, Ltd.—Extensions, Viaduct Works, Heaton-la., for J. & J. Greig, Ltd.—45 garages, Curzon Green, for J. Foulkes & Sons, Ltd.

Extensions, Waterloo Engineering Works, Gorsey Mount-st., for Rhodes Brydon & Youatt, Ltd.—Extensions, confectionery works, Eastcote-rd., for C.W.S., Ltd.—Extensions to laundry, Coronation-st., for Bagwash Laundry (Stockport), Ltd.—Offices, etc., Craig-rd., Heaton Norris, for A. Quiligotti & Co.

Stone.—U.D.C. propose 10 houses, Little Stoke. Commence this year.

Urmston.—U.D.C. approved plans for:—Extensions to factory, Lyons-rd., Trafford Park, for Ingersoll Rand Co., Ltd.—Reconstruction of locoshed, Trafford Park-rd., for Ed. Wood & Co., Ltd.—Offices, labs. and canteen, Ashburton-rd., for Gulf Oil (G.B.), Ltd.

Warrington.—P.C. Council of St. Thomas's preparing plans for memorial chapel and choir vestry.

Wigan.—T.C. approved occupation centre, Scot-la., Newtown, at £13,767.—Church Council of St. Annes, Beech Hill, seek approval for new church at £30,000.

Wingerworth (Derbys).—N.C.B. propose coal carbonisation plant at £6m.

TENDERS

* Denotes *accepted*.
† Denotes *provisionally accepted*.
‡ Denotes *recommended for acceptance*.
§ Denotes *accepted subject to modification*.
¶ Denotes *accepted by H. M. Government Departments*.

Bebington Wirral.—New prim. sch. †Lloyd & Cross, Birkenhead, £50,559.

Alexandria.—Extension to canteen, R.N. Depot, for Admiralty: *Dougall & Co., Ltd., Glasgow-rd., Dumbarton.

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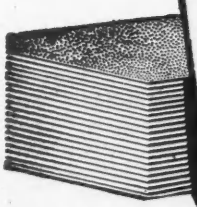

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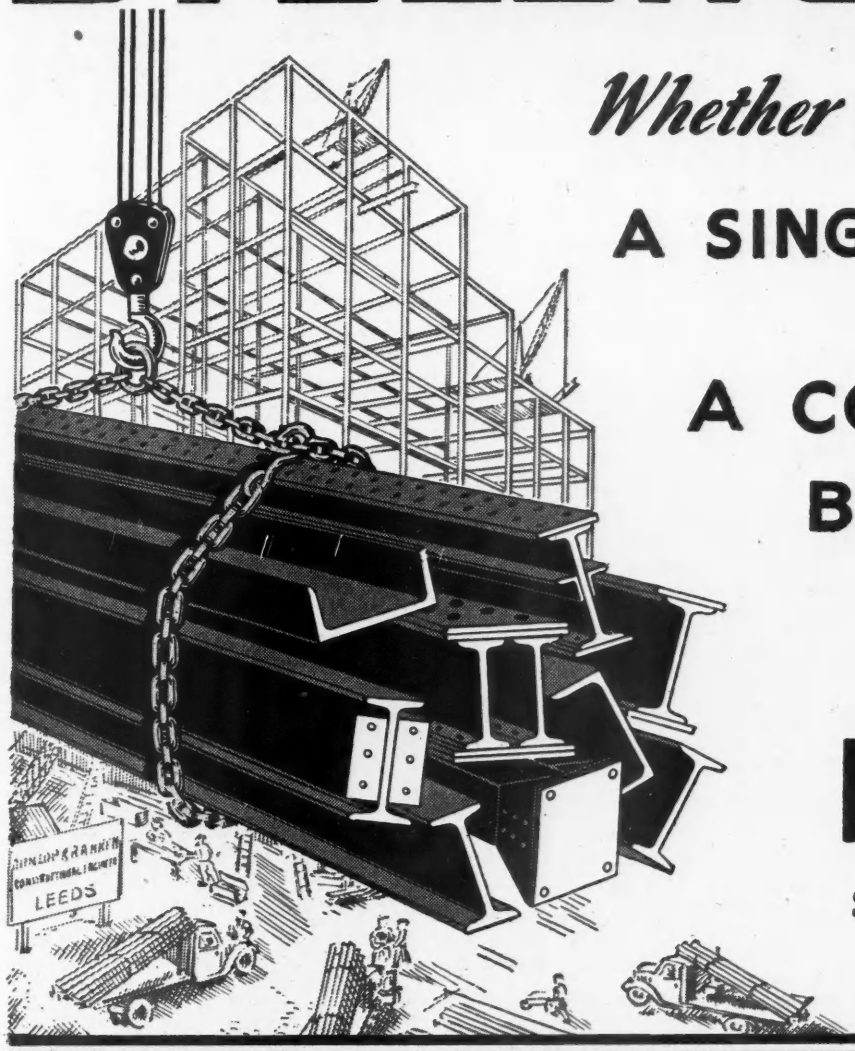

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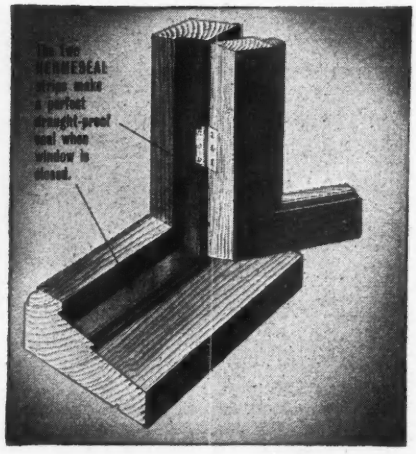

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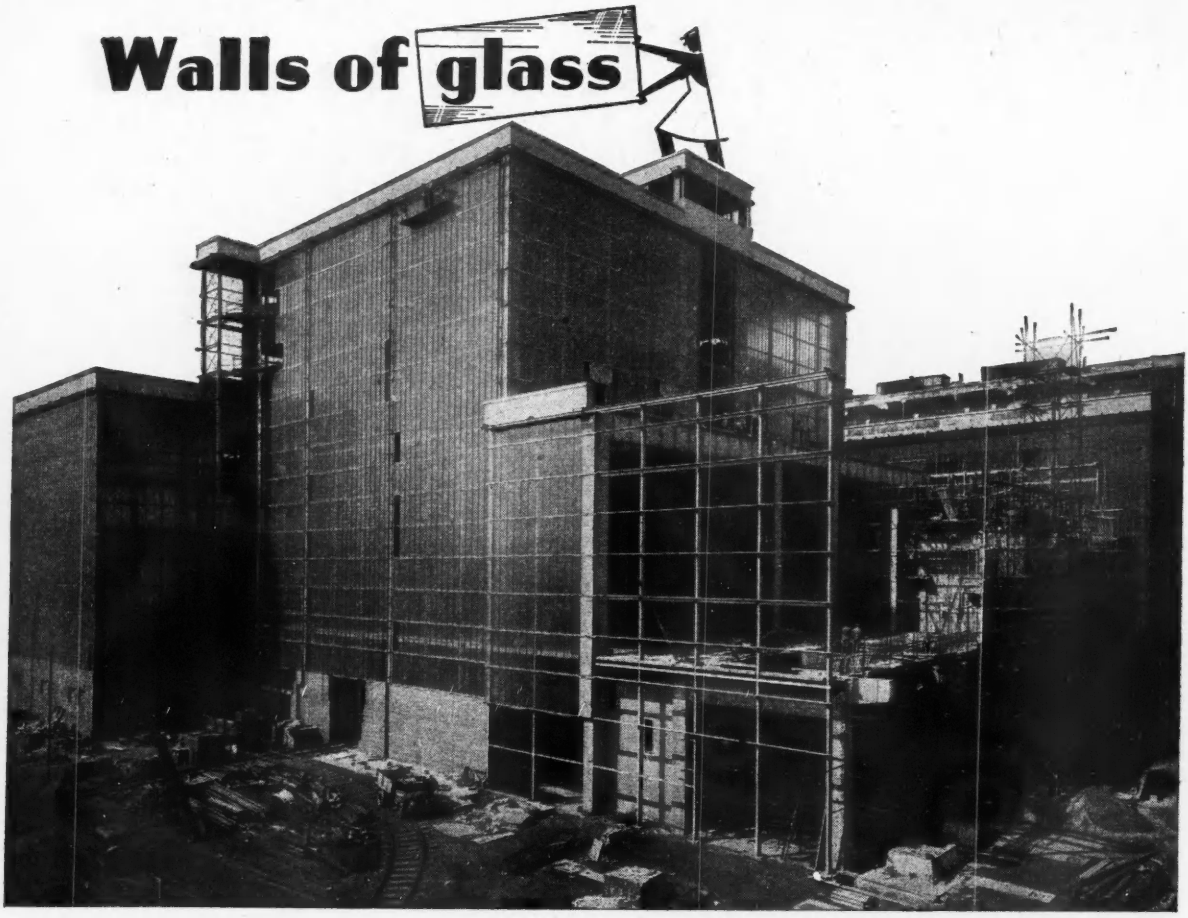

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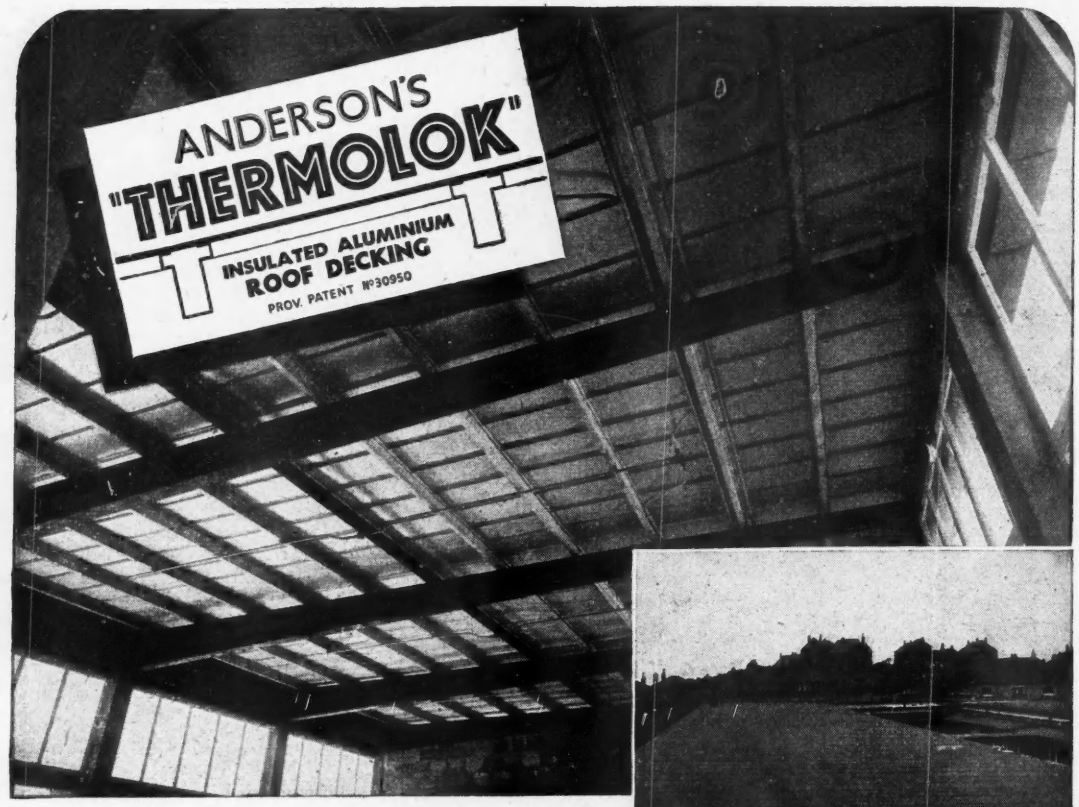

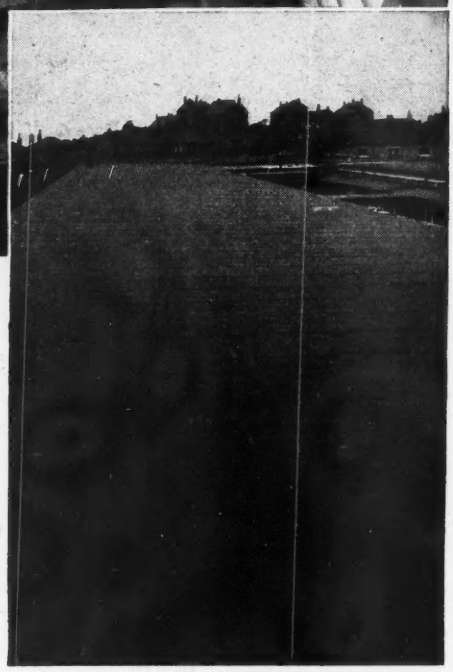

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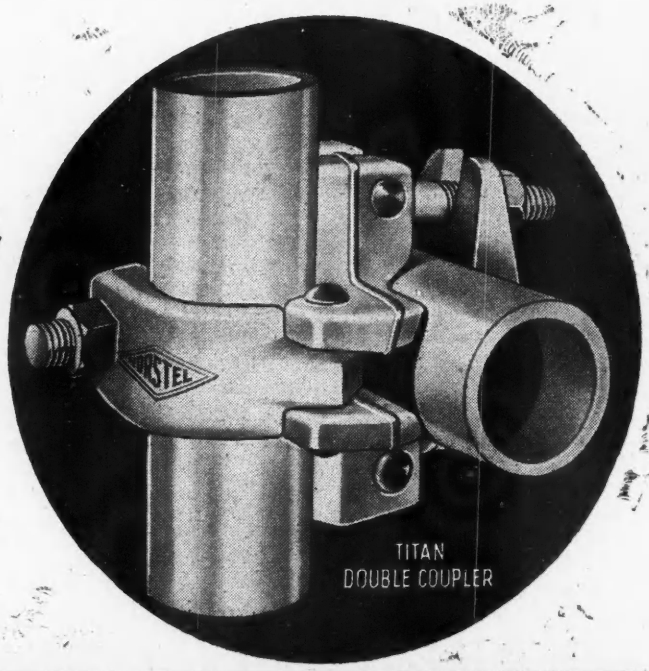

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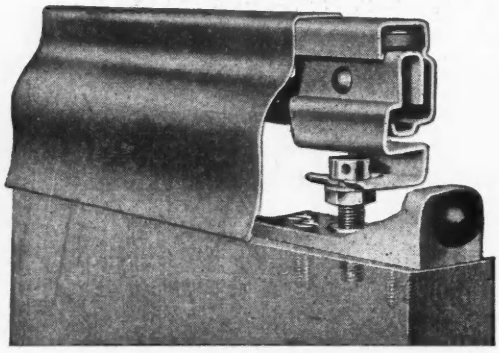

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- ★ Neat appearance
- ★ No maintenance
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"Estate" sliding door gear is used extensively in blocks of flats where kitchenettes and other small rooms necessitate space economy.

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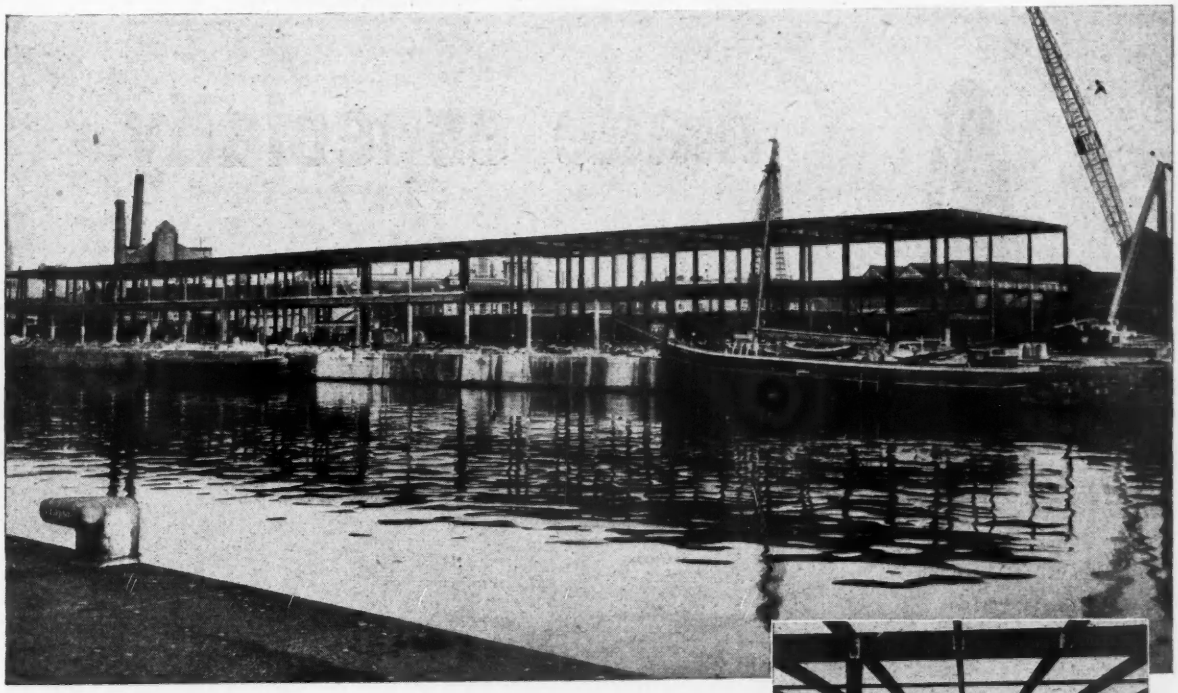

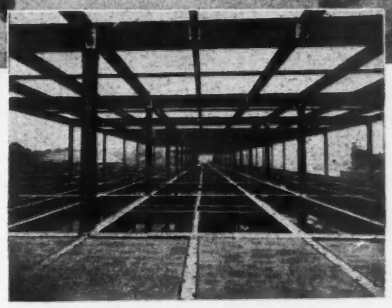

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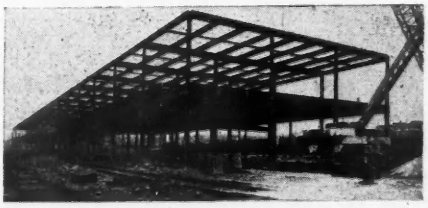

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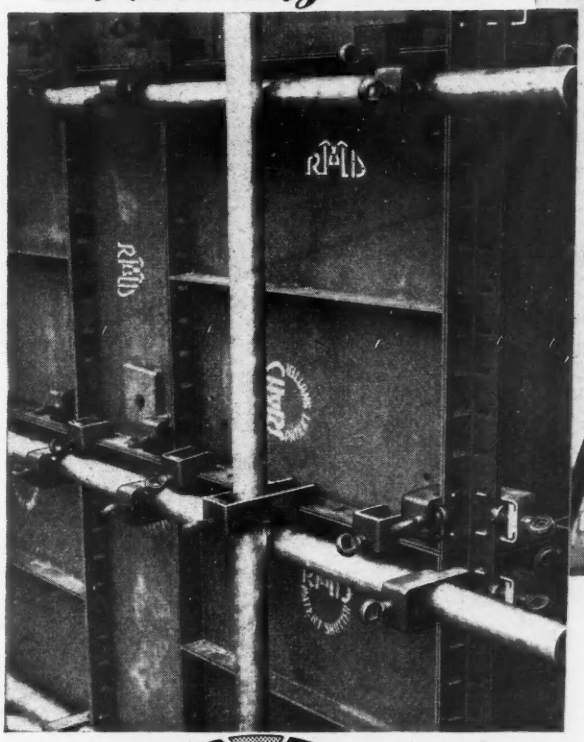

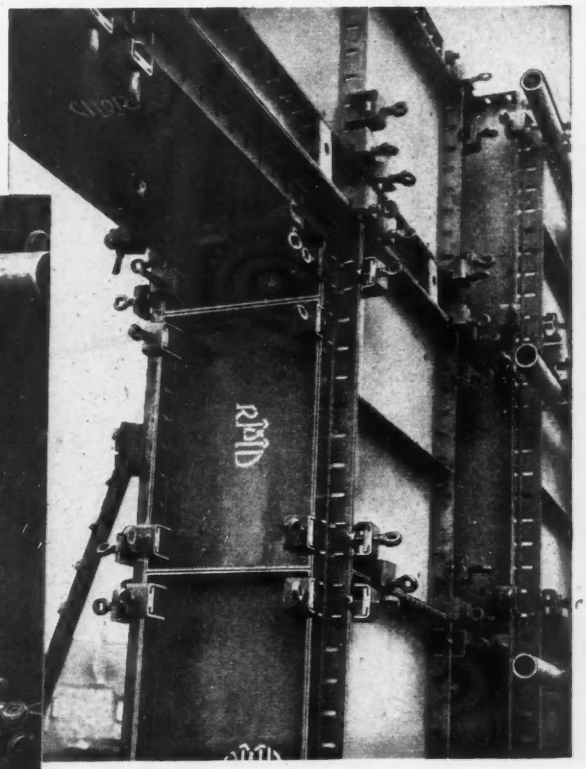

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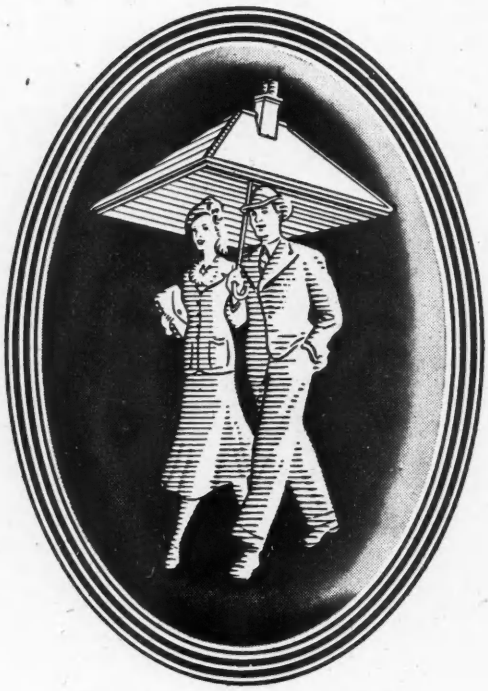

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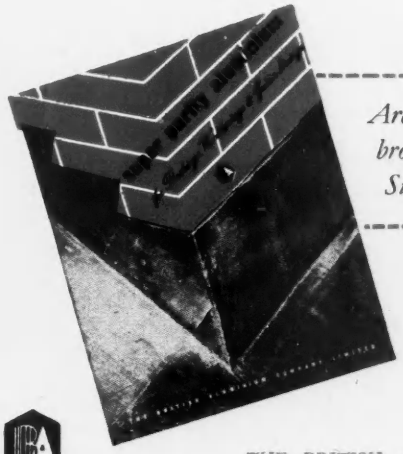

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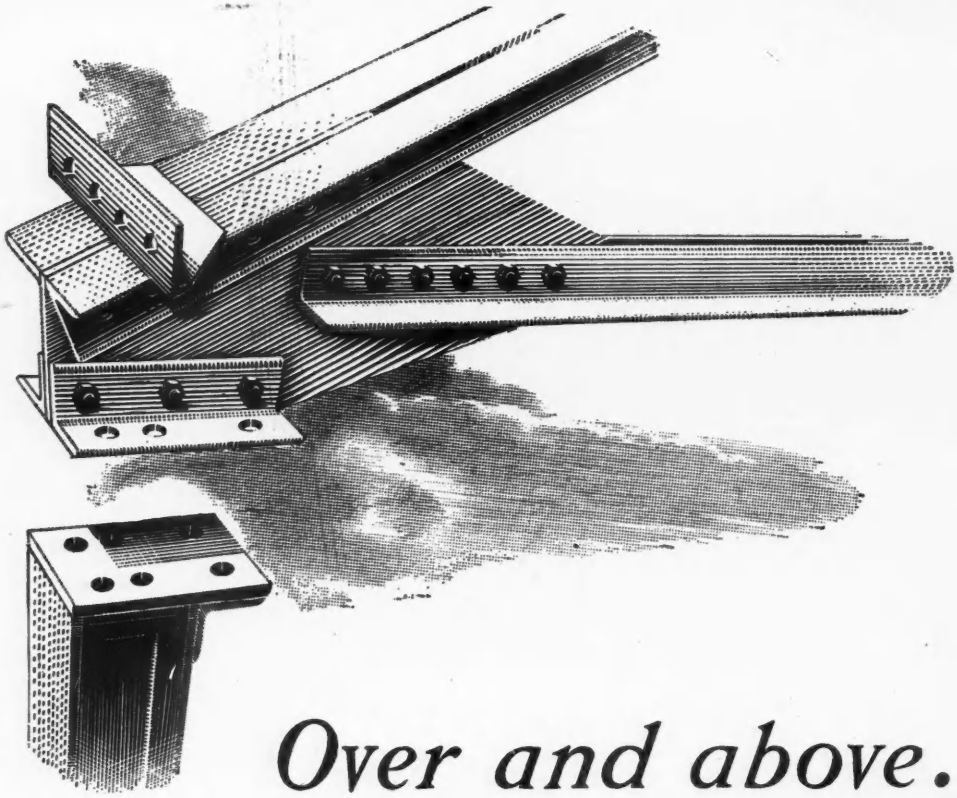

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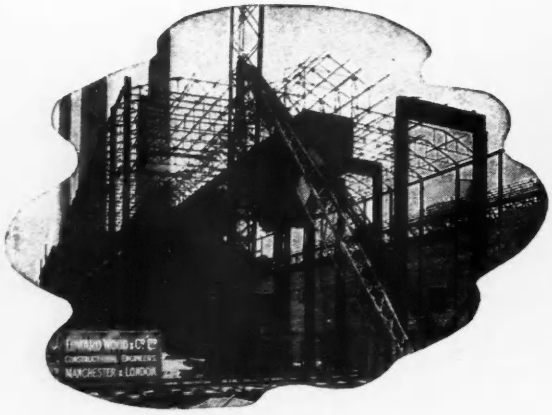

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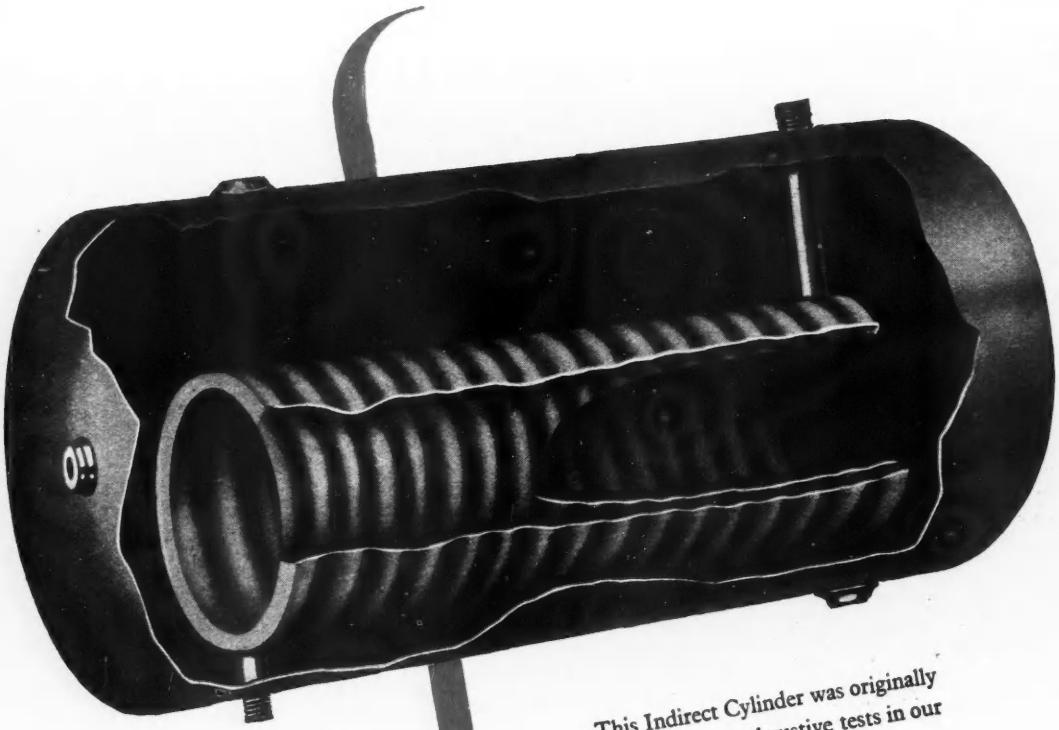

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Page 12, Para. 24—THE BUILDING (SAFETY HEALTH & WELFARE) REGULATIONS 1948

Every side of a working platform or working place, being a side thereof from which a person is liable to fall a distance of more than 6 feet 6 inches, shall be provided with a suitable guard-rail or guard-rails of adequate strength to a height of at least 3 feet above the platform or place and above any raised standing place on the platform and with toe boards up to a sufficient height being in no case less than 8 inches and so placed as to prevent so far as possible the fall of persons, materials and tools from such platform or place.

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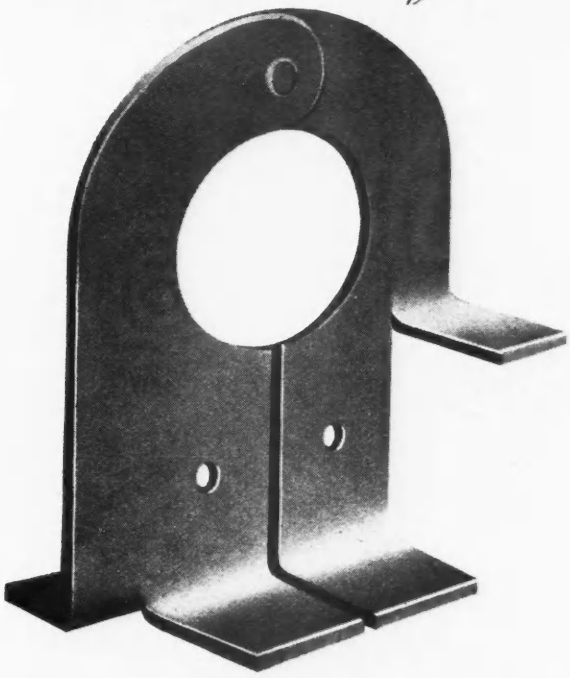

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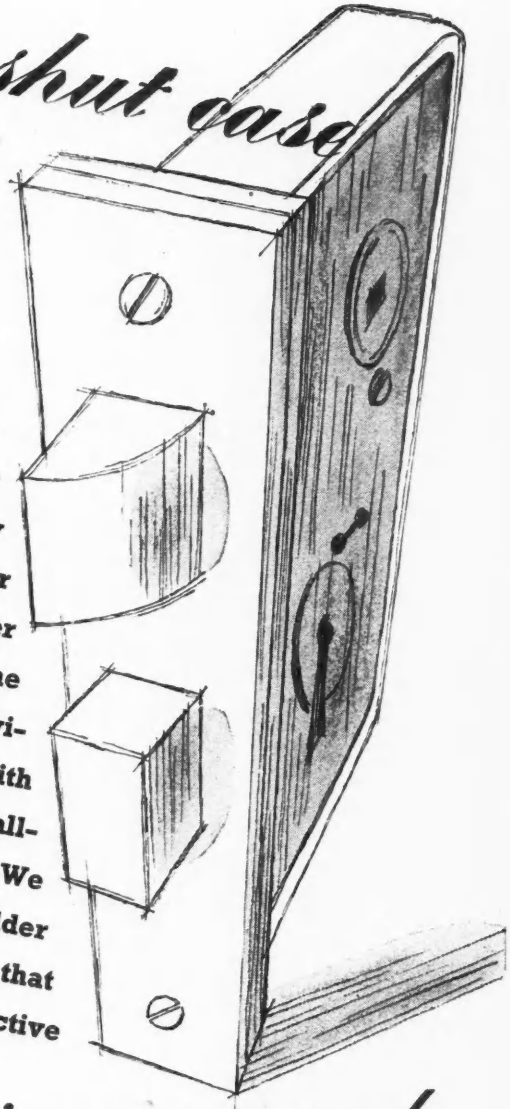
an open-and-shut case



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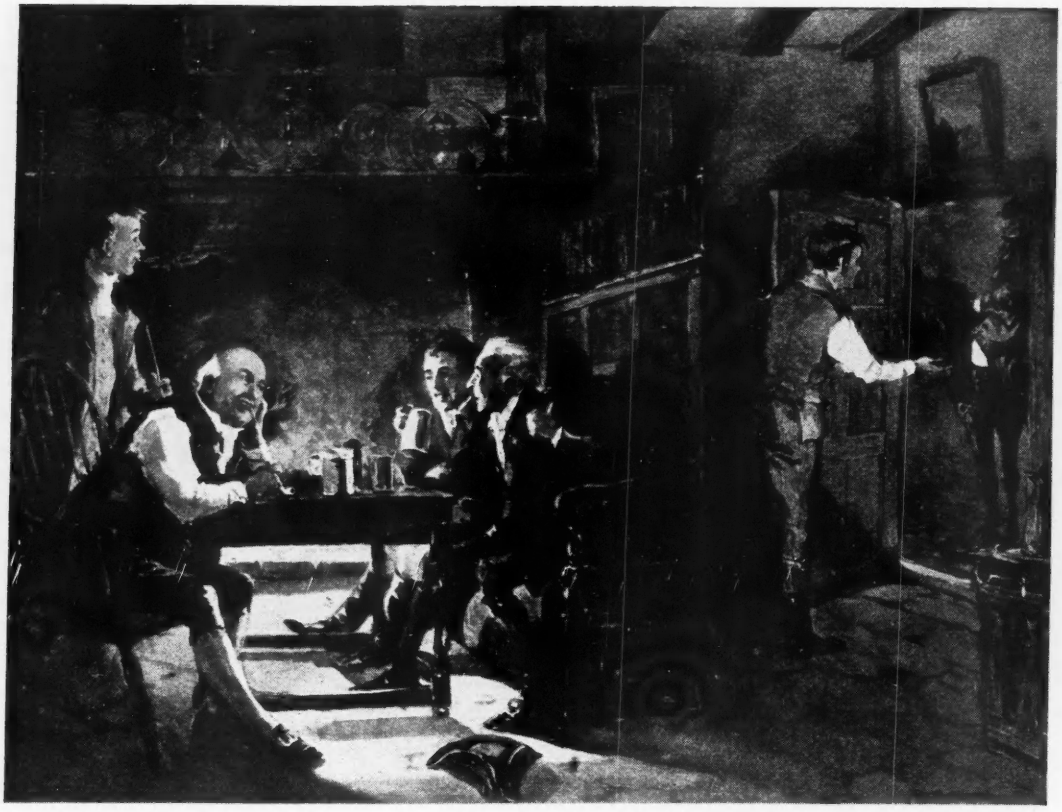
Warming Up



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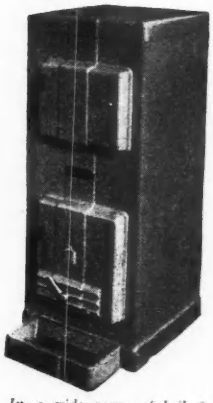

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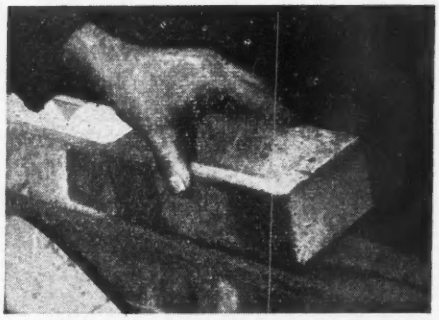

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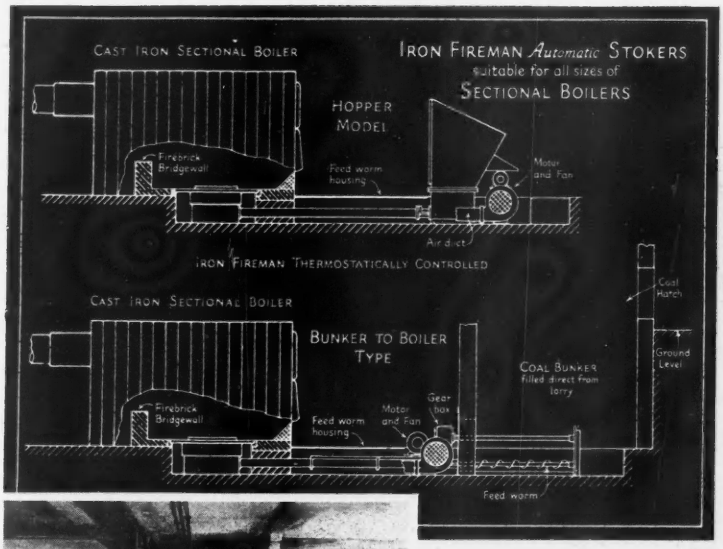

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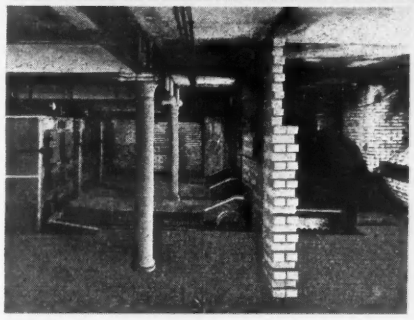

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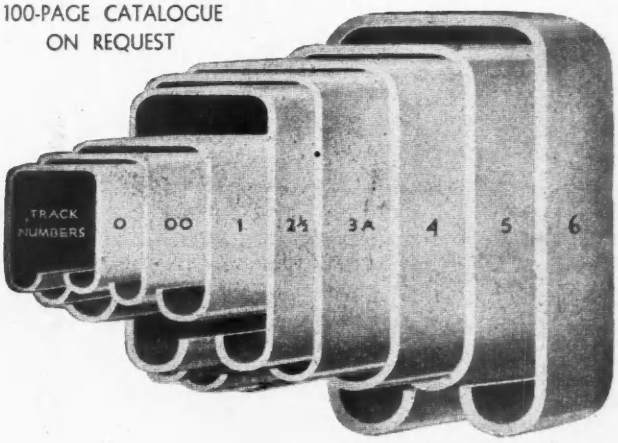

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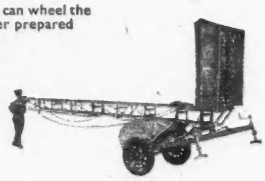
2 Elevate the mast.
3 Level up with the four jacks provided.
4 Start the engine.
5 Ready for the first load.

When finished:
1 Lower the mast.
2 Wheel away to next station.

Mobile major
7/10 cwt.
All-in weight 12 cwt.
Mast fully mobile 22 ft.
Extendable to 80 ft.

Mobile minor
4/5 cwt.
All-in weight 9 cwt.
Mast fully mobile 22 ft.
Extendable to 50 ft.

Raising and lowering the mast is one man's job.



One man can wheel the Hoist over prepared roadway.

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34 VICTORIA STREET, LONDON, S.W.1
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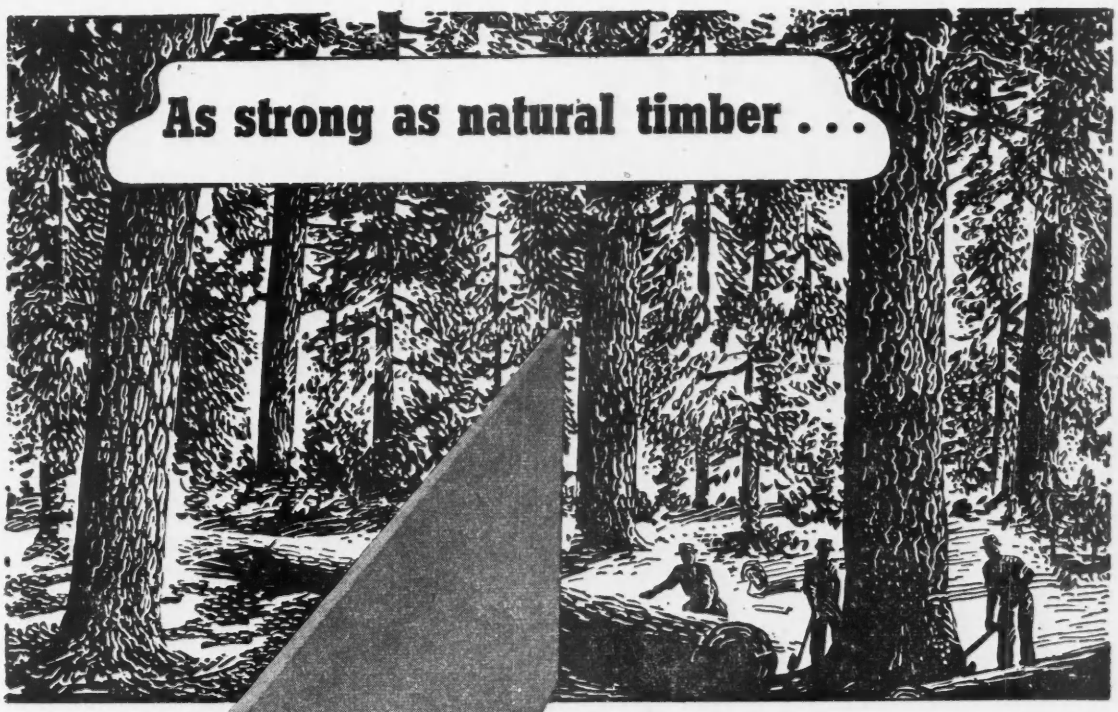

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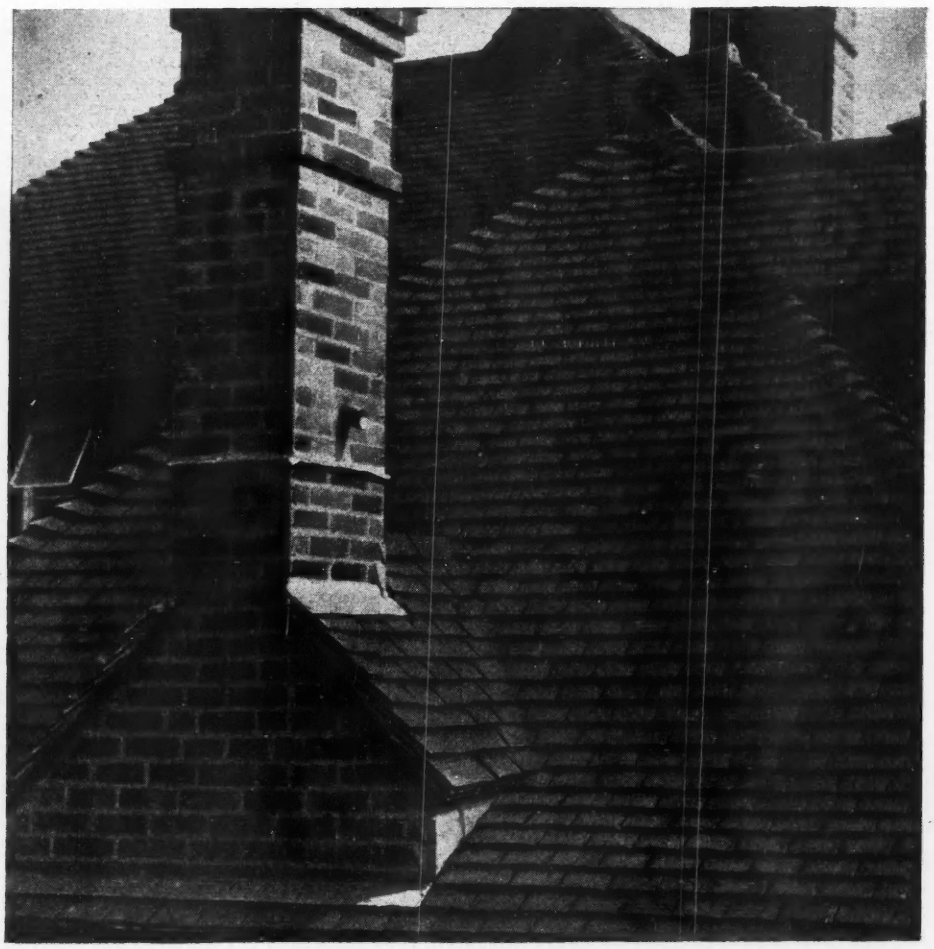

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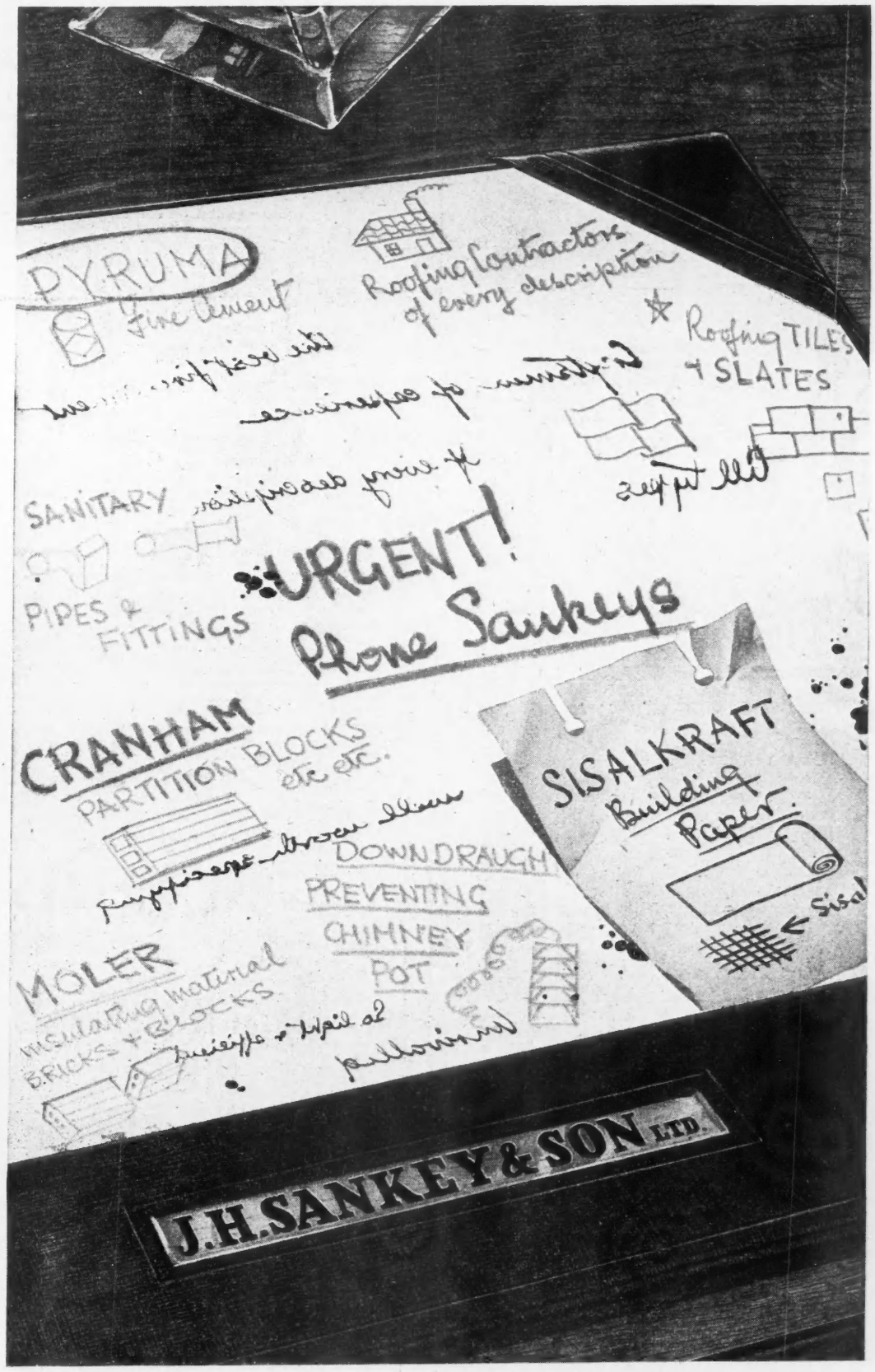

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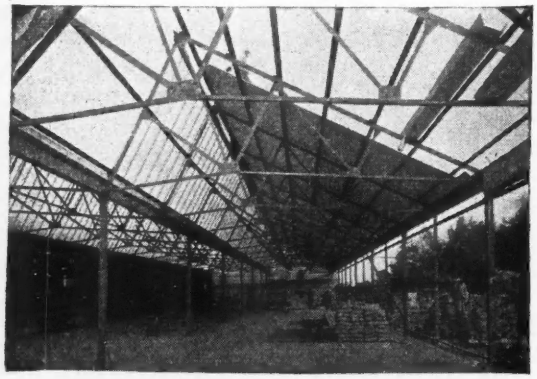

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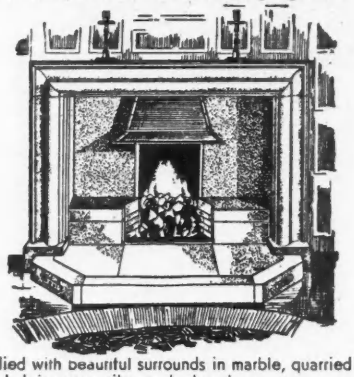

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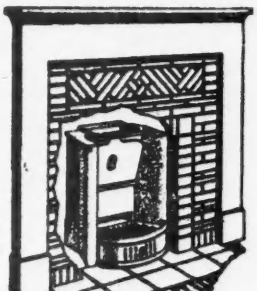

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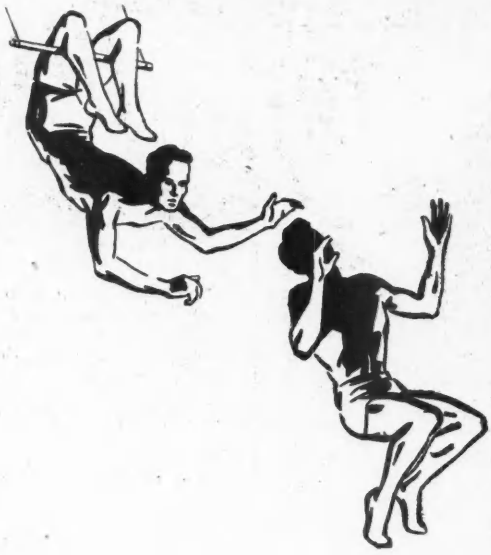

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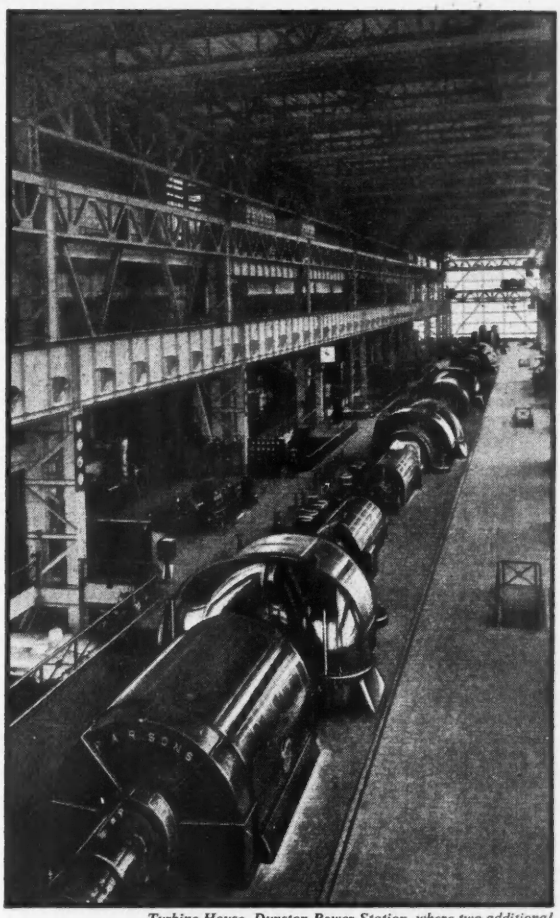

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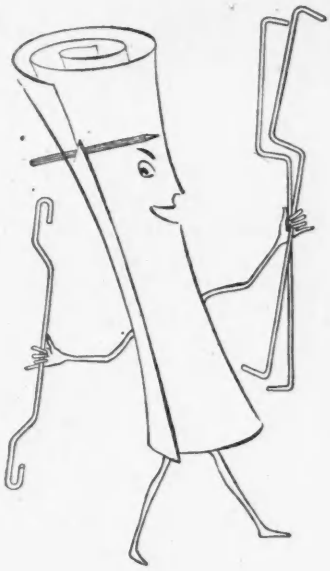

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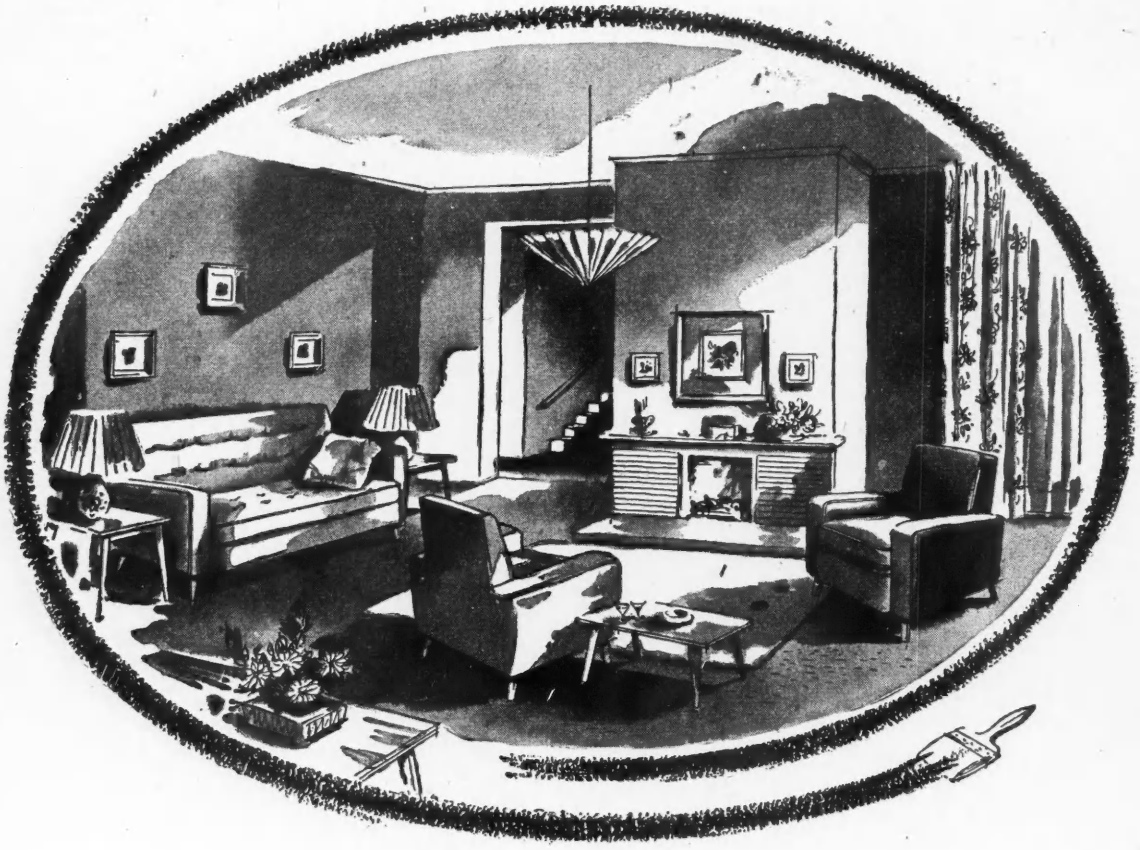

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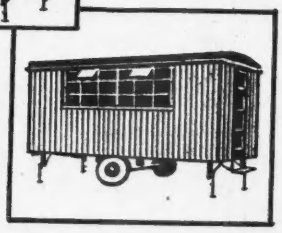

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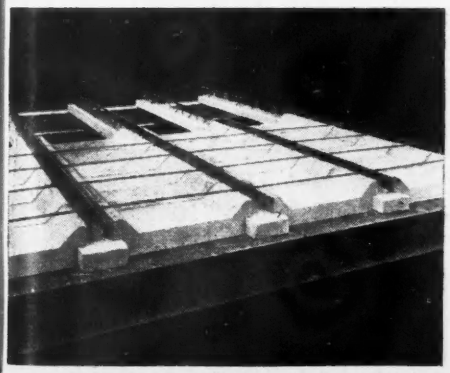

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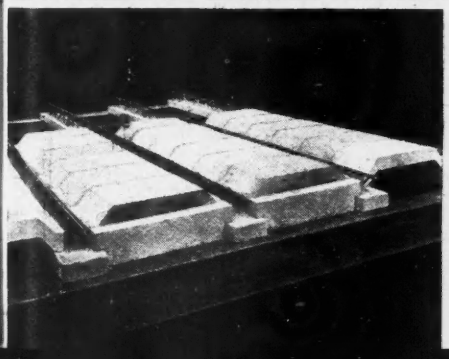

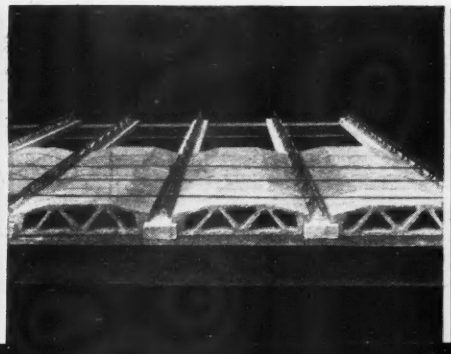

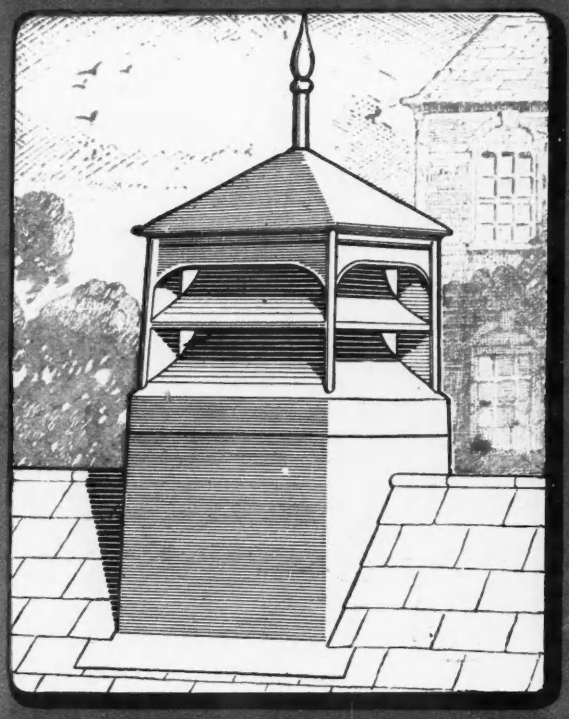

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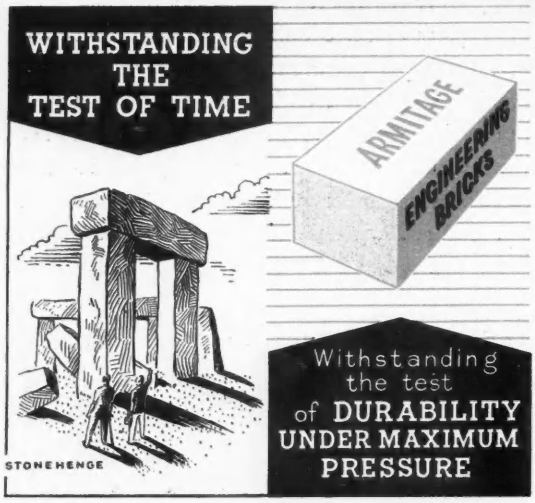

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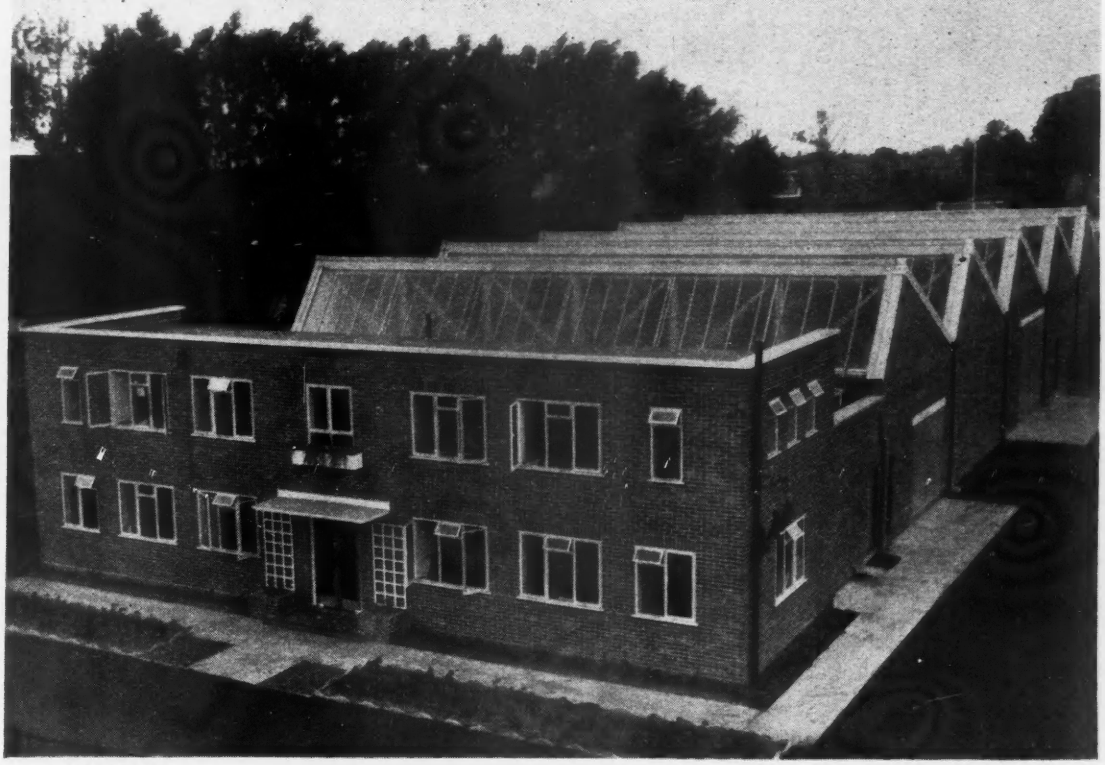

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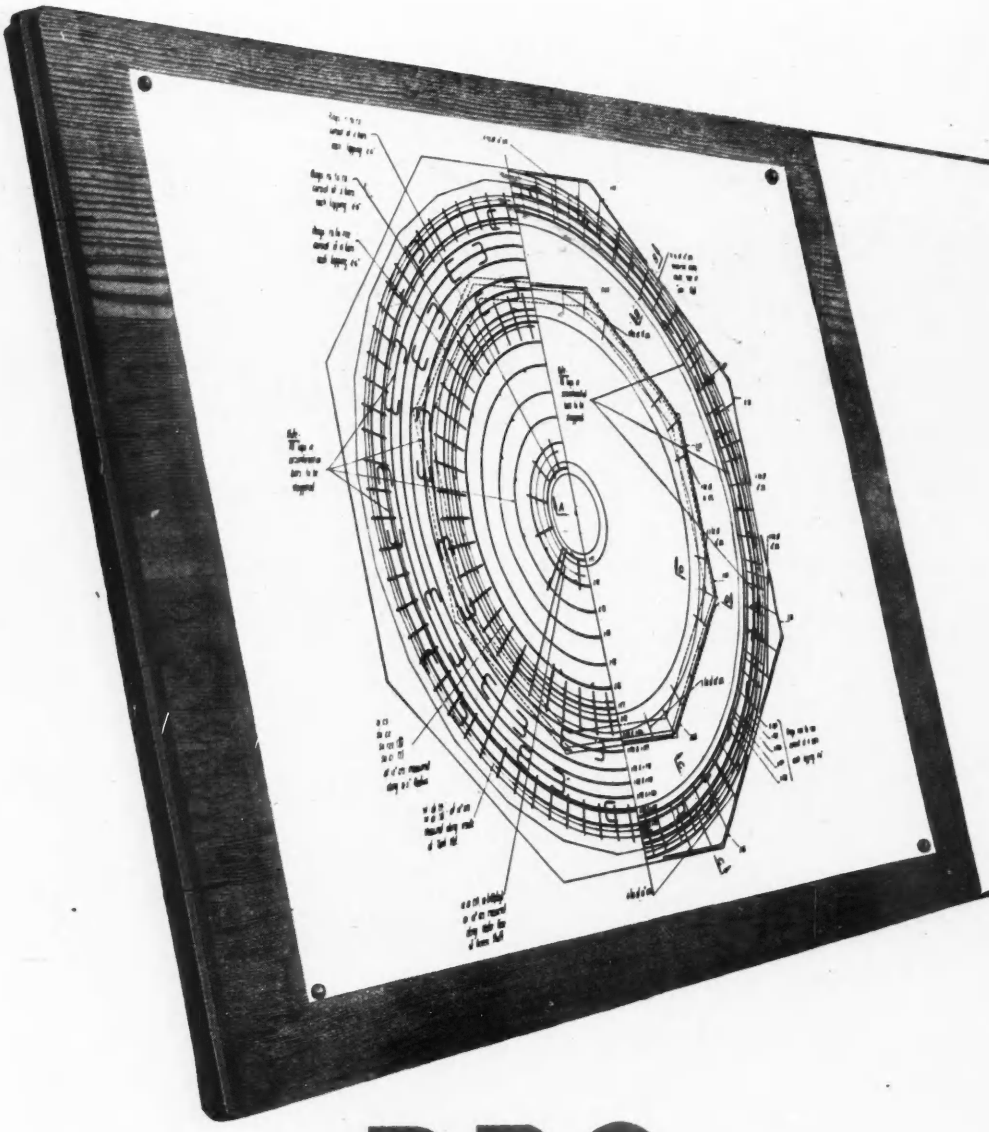

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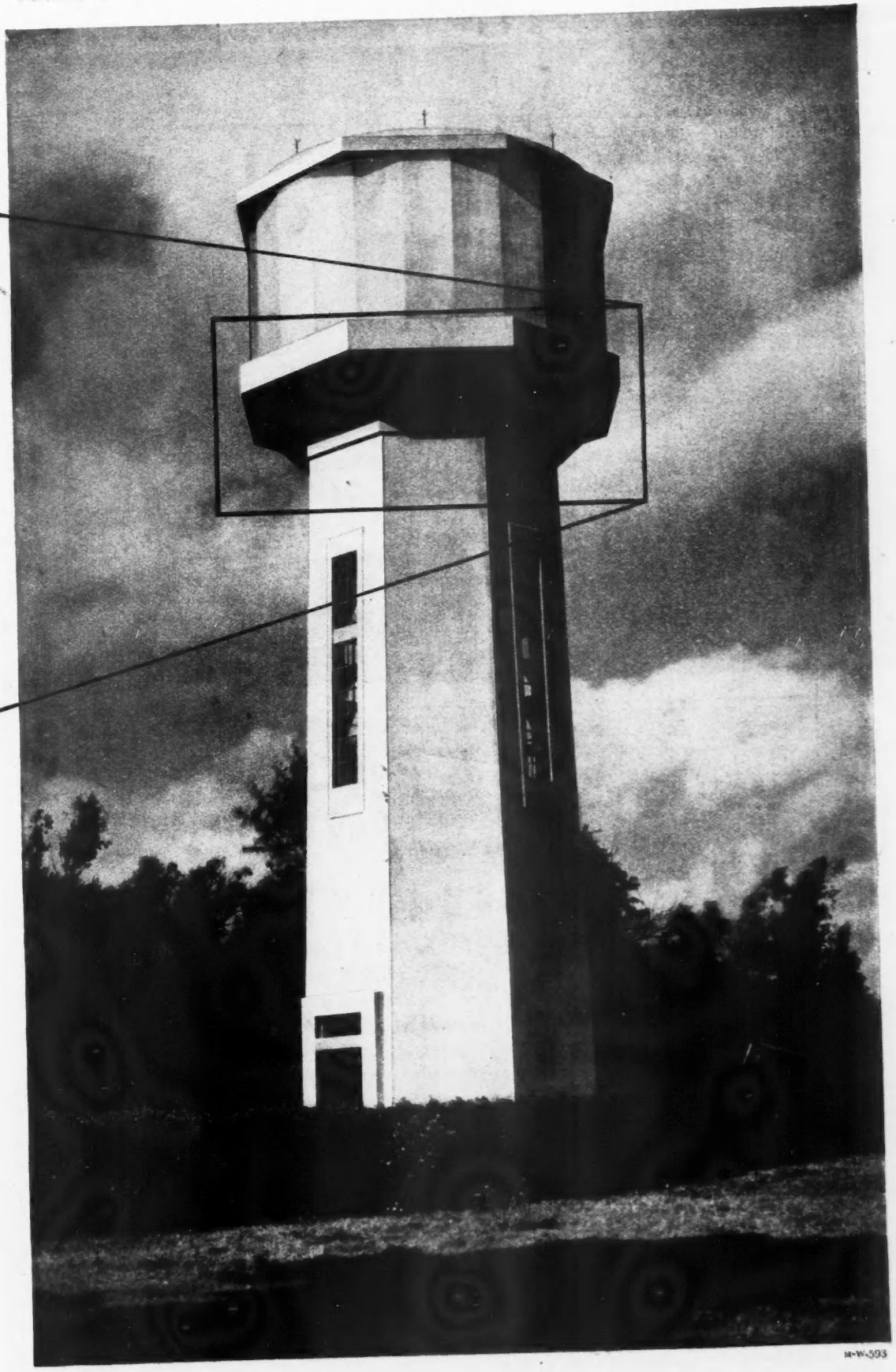

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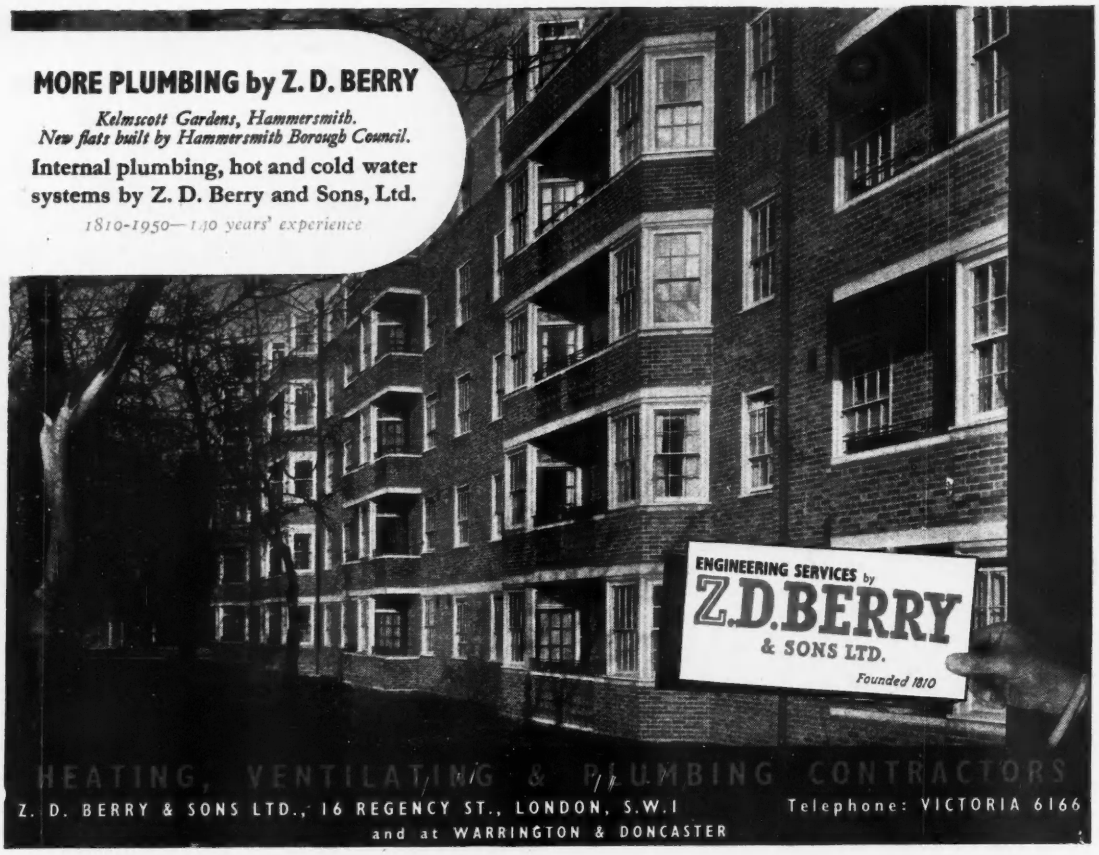

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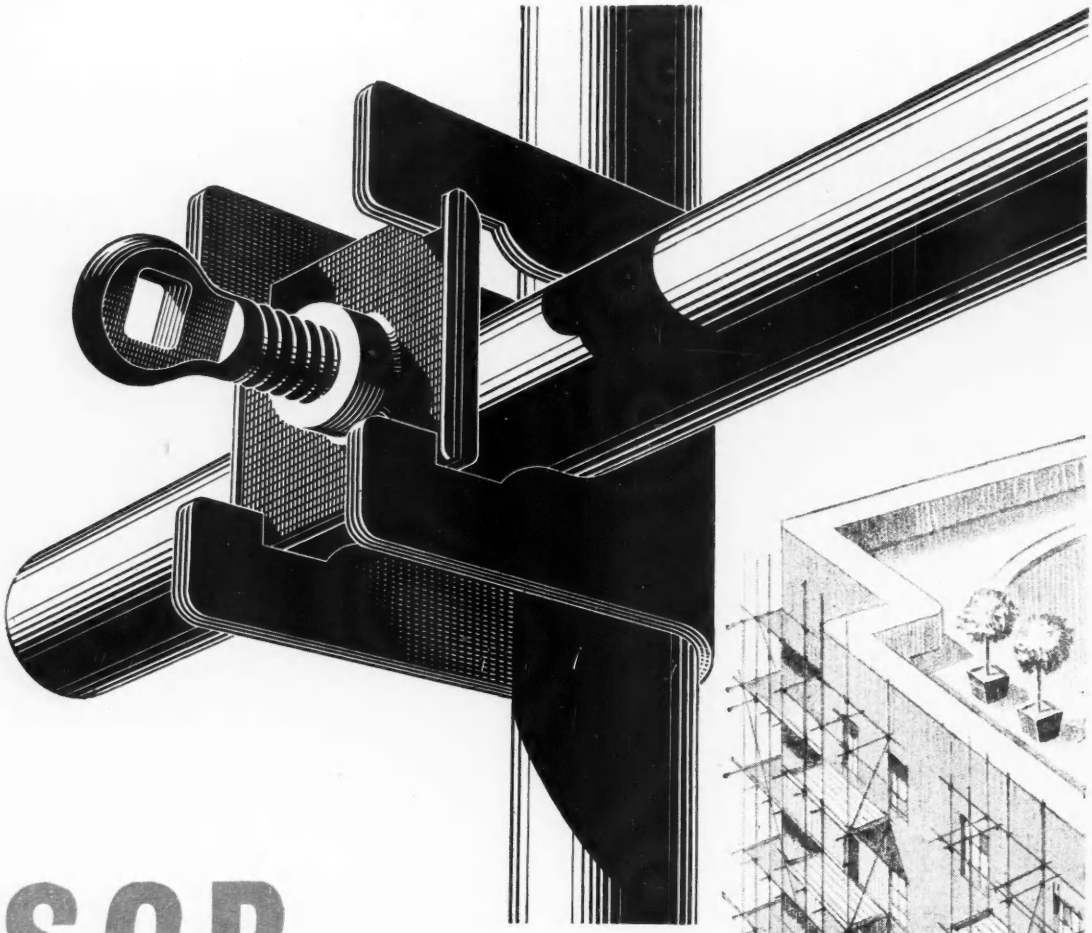

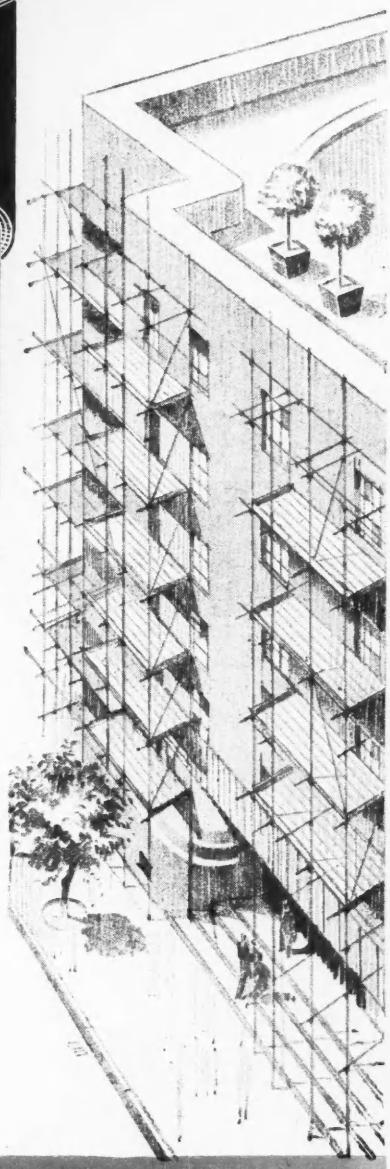

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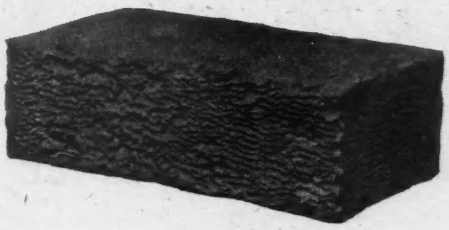

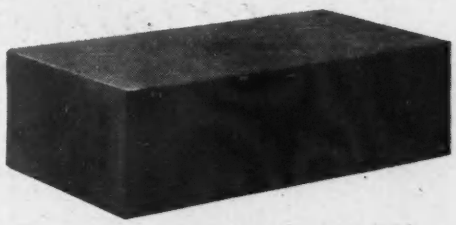

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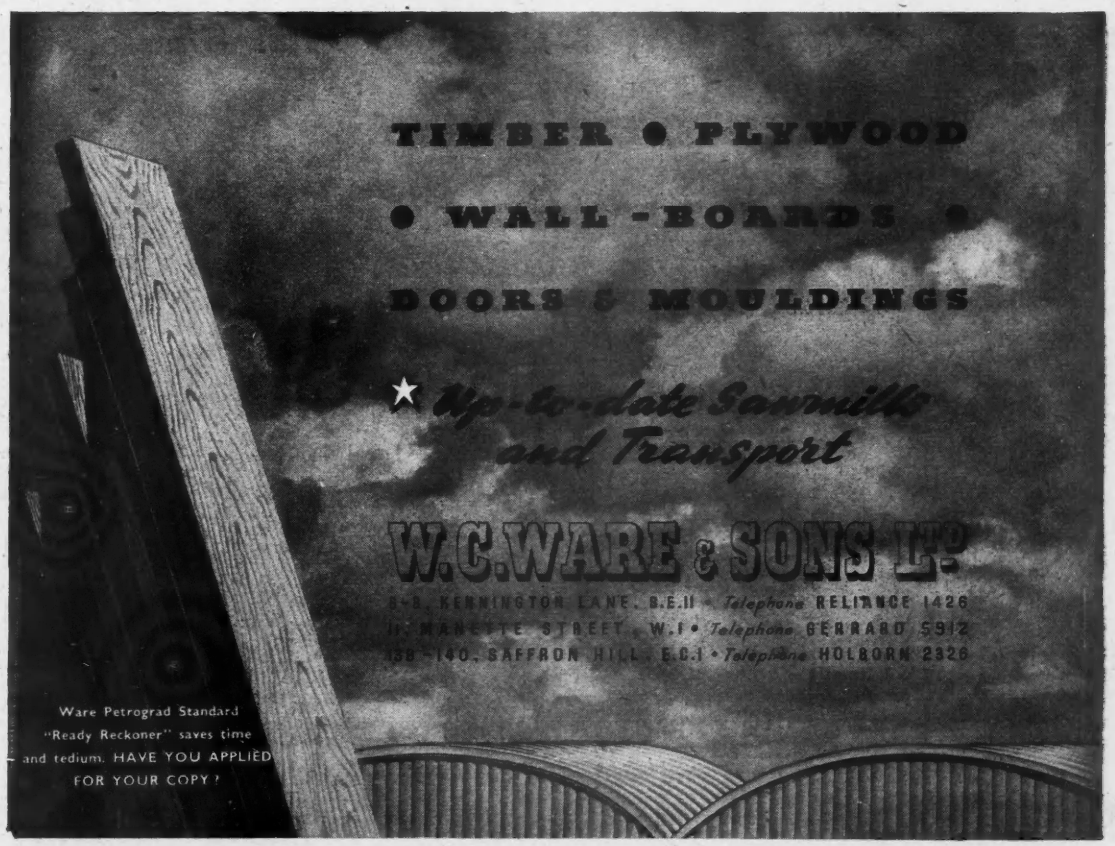

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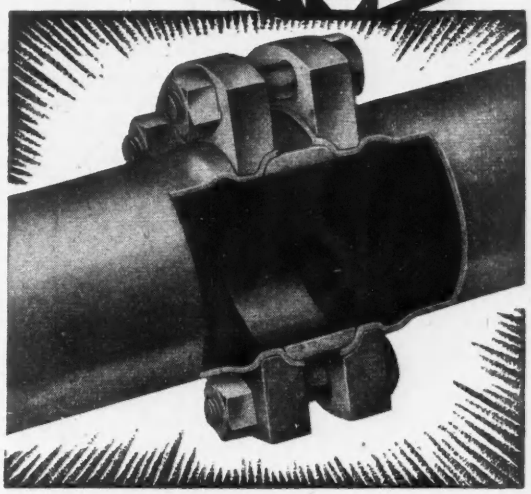

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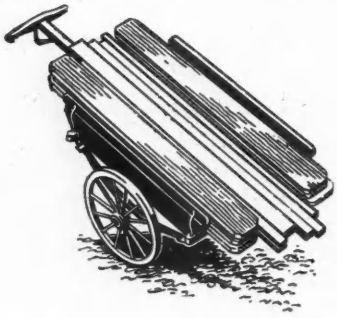

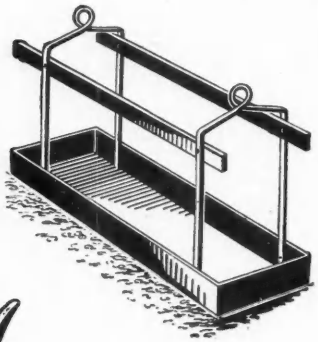

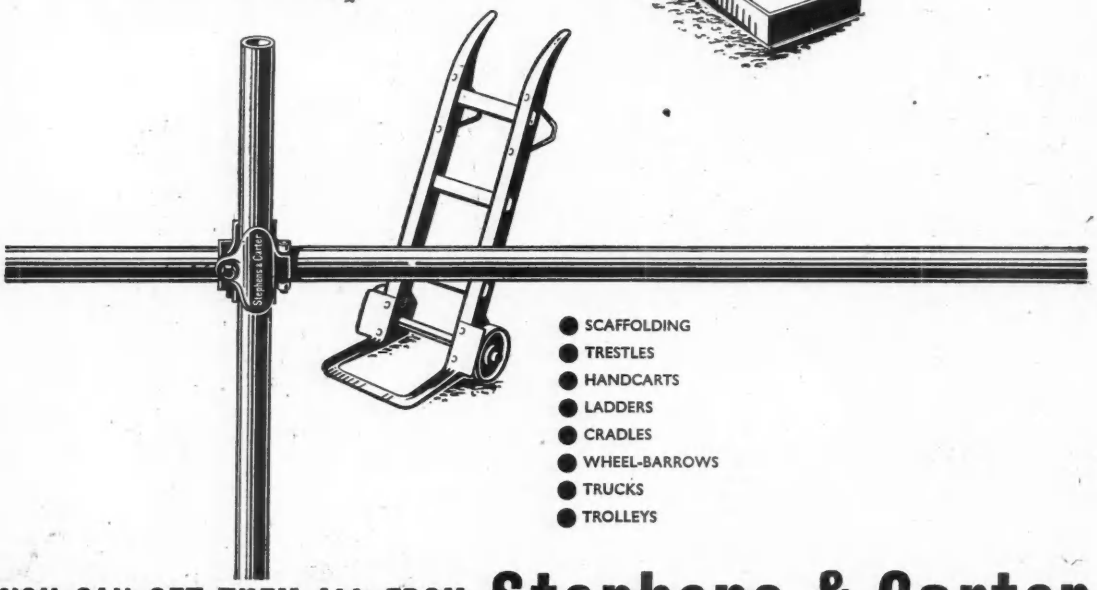

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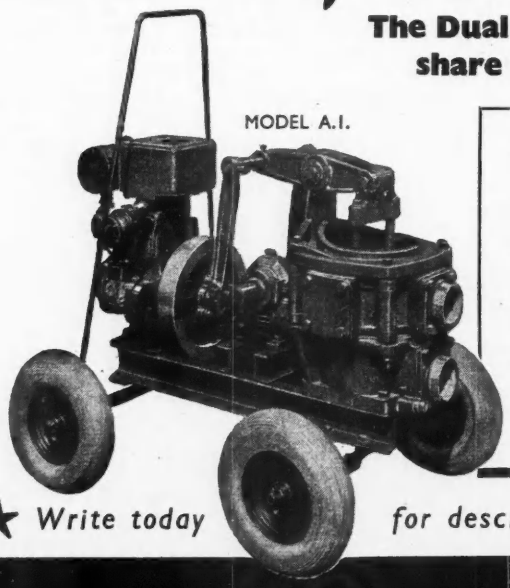

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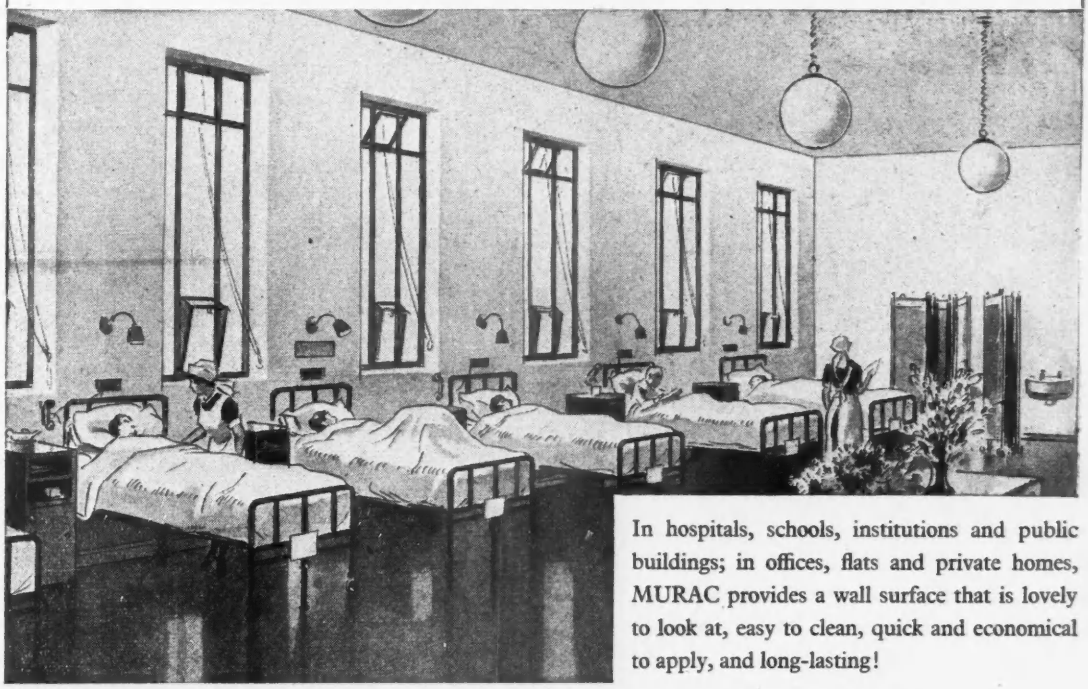

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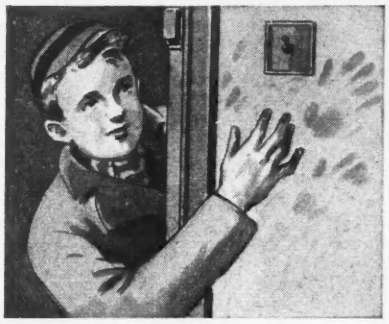

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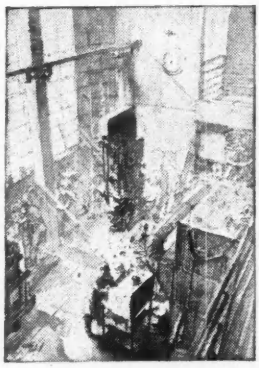

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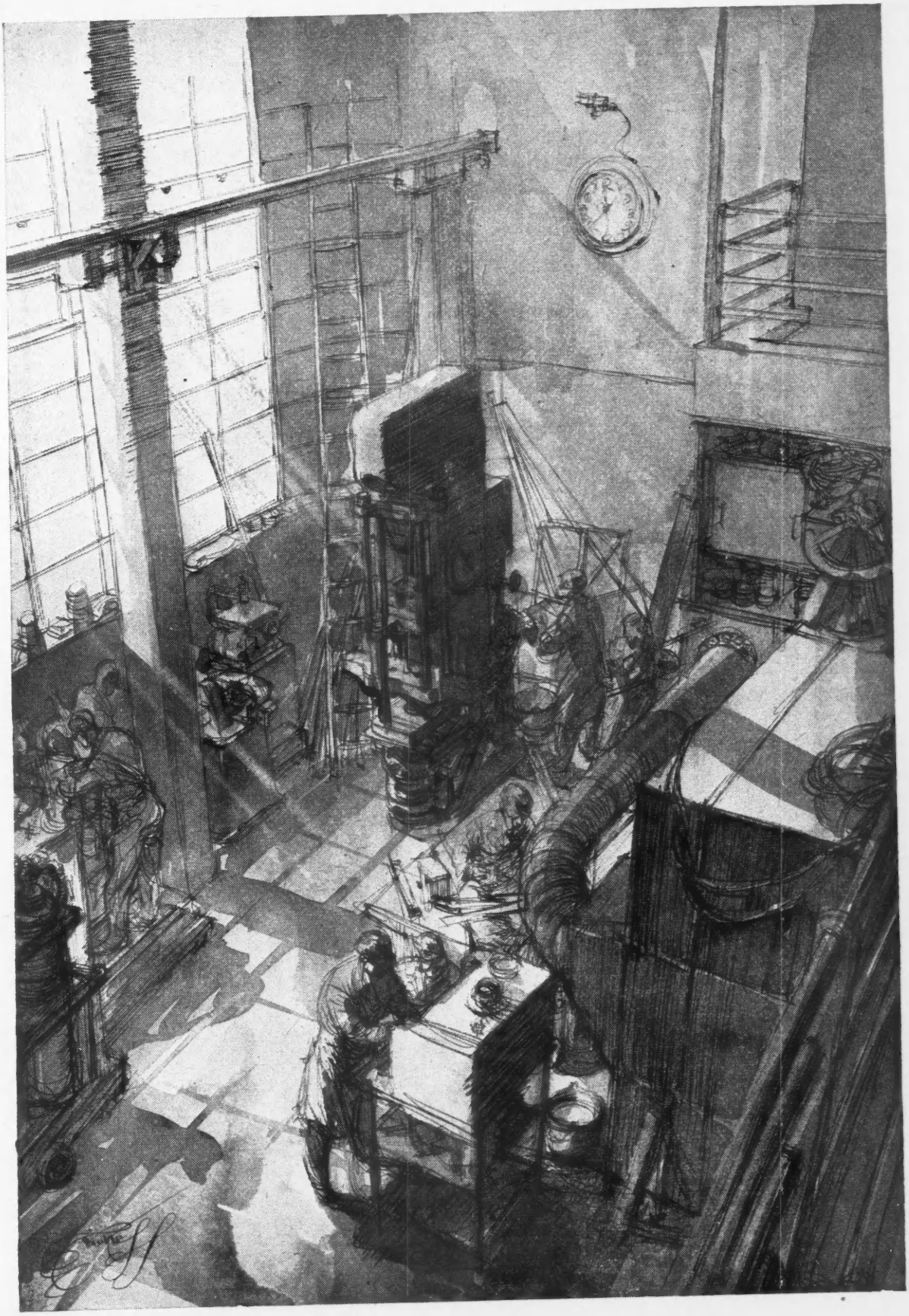

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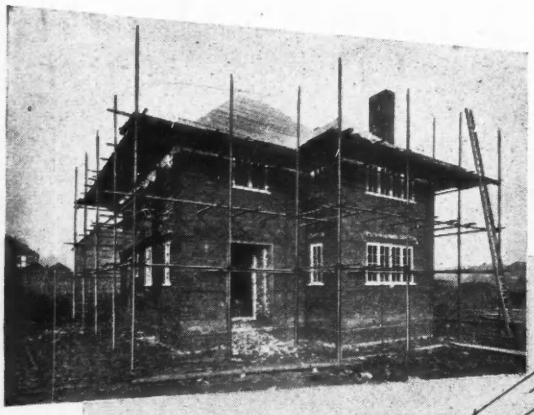
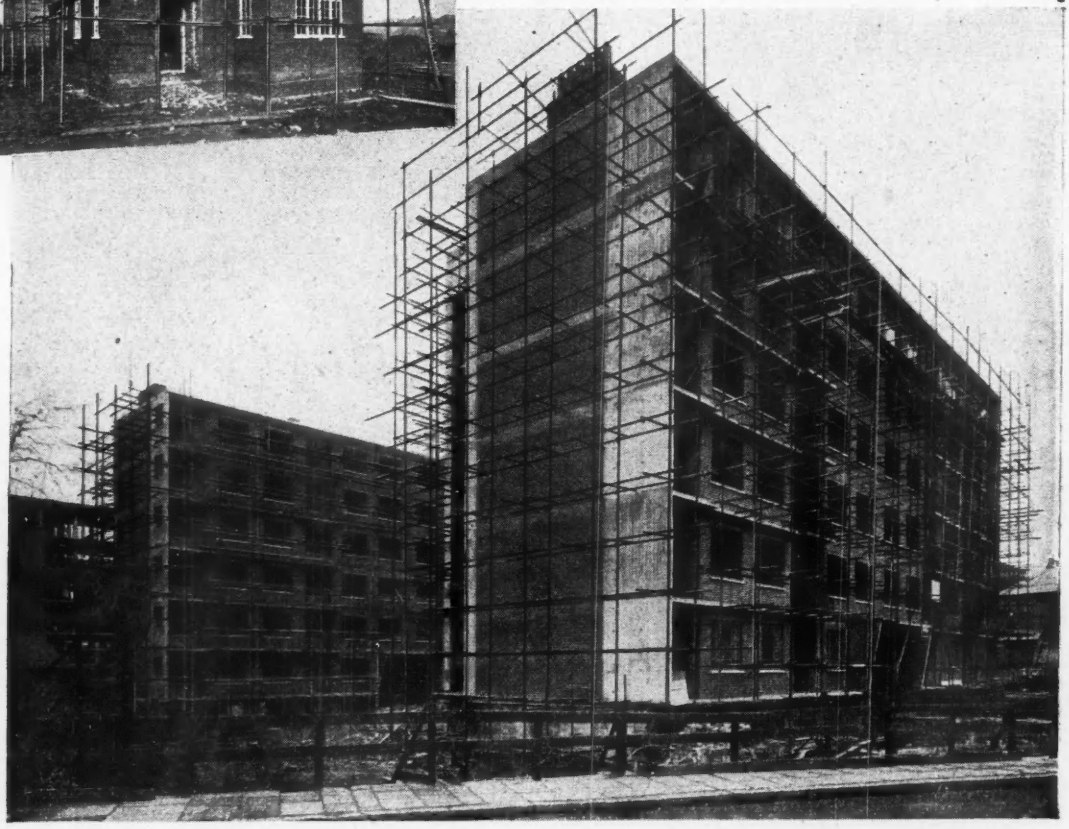


Flats at Cromer Street. By courtesy of St. Pancras Borough Council.
Architects: Messrs. Hening & Chitty.



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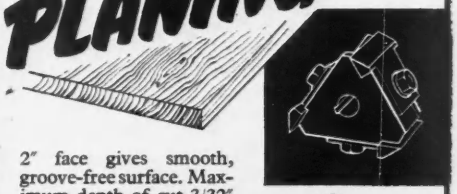

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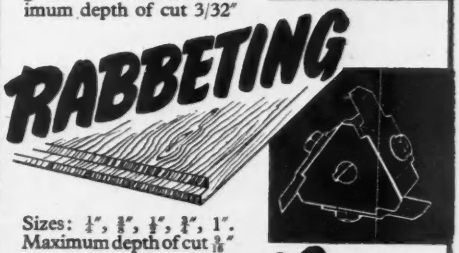

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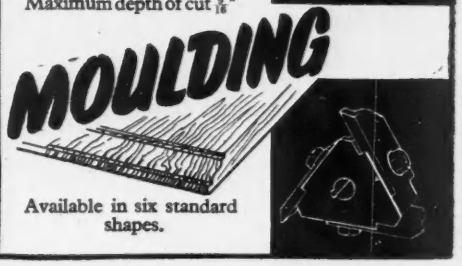

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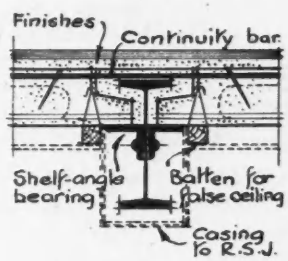

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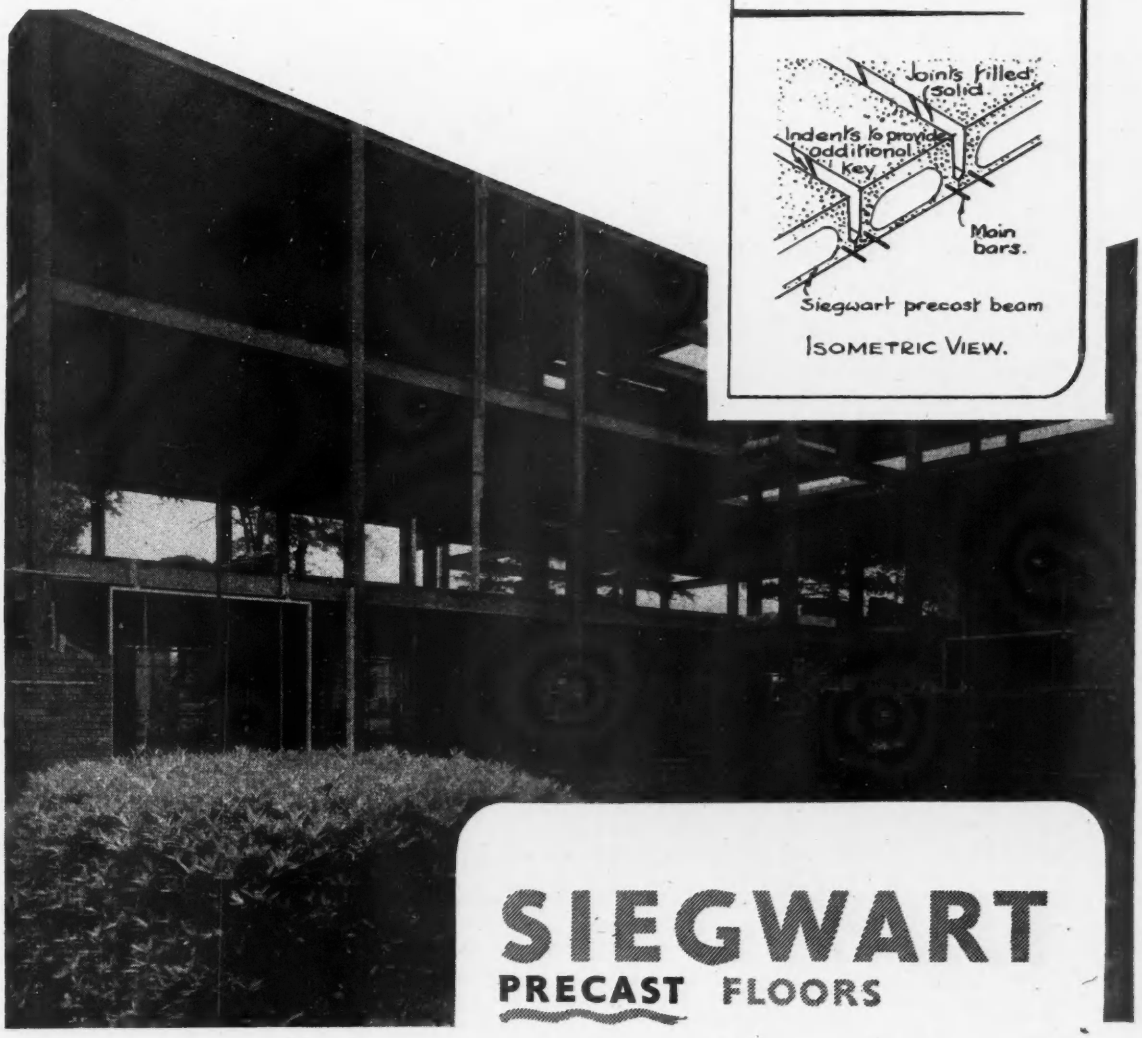

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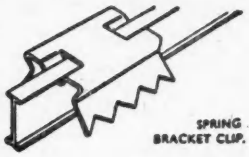

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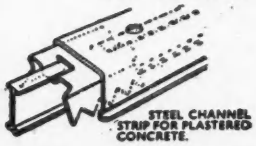

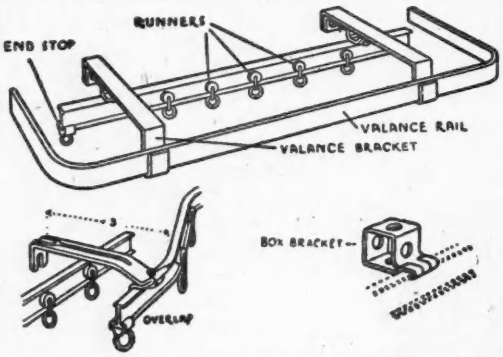

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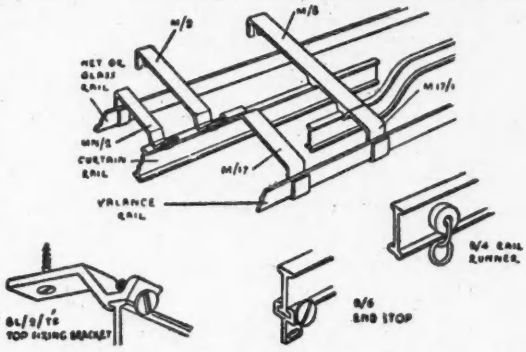

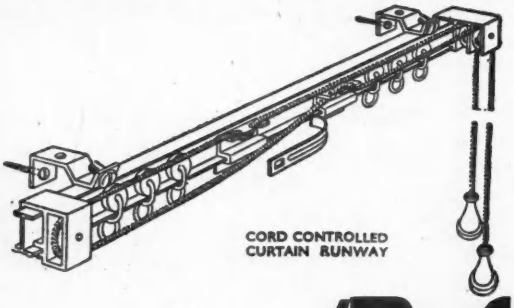

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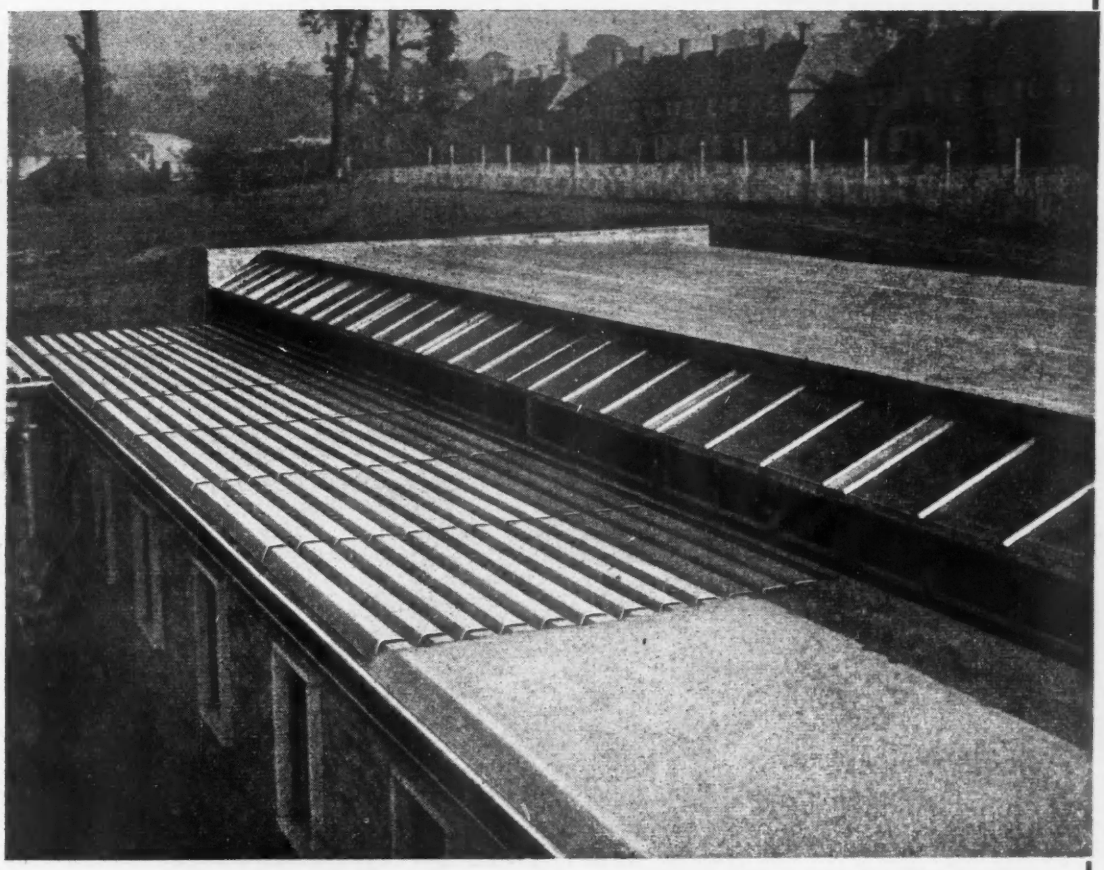
DECKING

PATENT No. 462598



M.C.C. SCHOOLS, HEADSTONE LANE

The units are sent out as hollow slabs and laid side by side or end to end on the supporting joists. All that is required is to lay the reinforcement rods in position and fill in the troughs with fine concrete. The Decking units being bevelled permit concrete being filled in between the ends, thus forming a transverse concrete beam. The whole of the upper surface is left perfectly smooth to receive the waterproofing cover.

The weight, complete with reinforcement and concrete filling is 14 lbs. per square foot for Light Section Decking and 29 lbs. per square foot for Deep Section Decking.

Light Section Decking for purlins at 6′ 0″ centres is 6′ 0″ long by 3′ 0″ wide by 3″ deep.

Deep Section Decking for purlins at 8′ 0″ centres is 8′ 0″ long by 2′ 3″ wide by 5″ deep, and for 10′ 0″ purlin centres 10′ 0″ long by 2′ 3″ wide by 5″ deep.

For complete Technical details and method of fixing write for Decking Catalogue.

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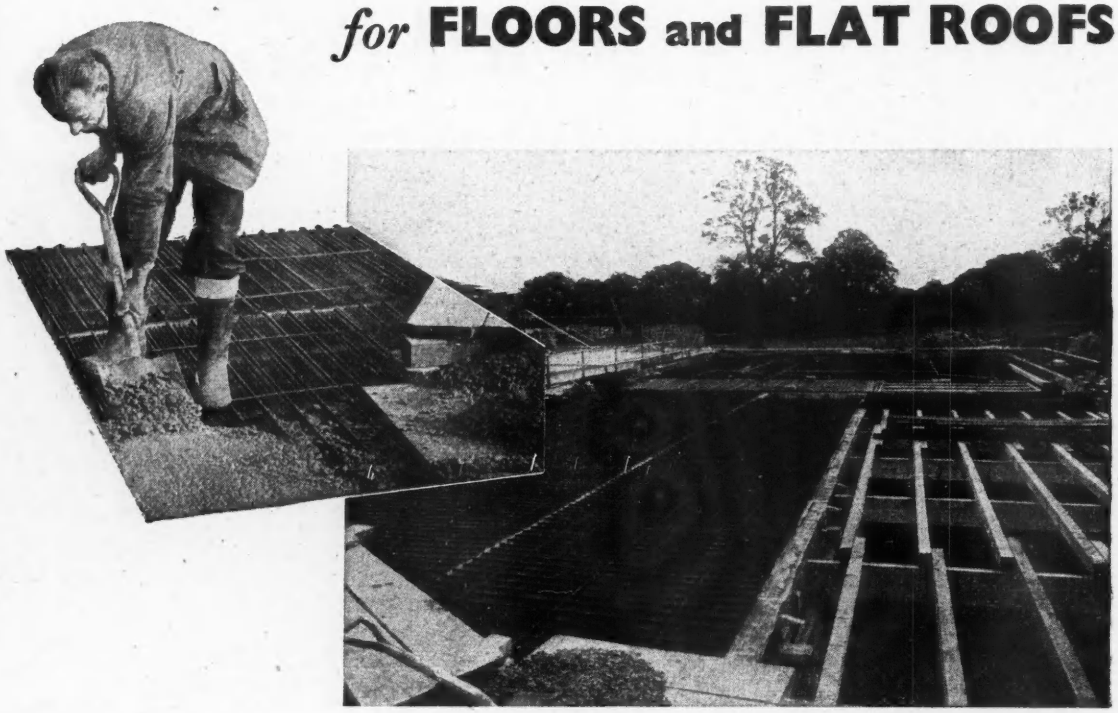
for FLOORS and FLAT ROOFS



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ELIMINATES WOOD CENTERING

REINFORCES THE SLAB

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CONSERVES SKILLED LABOUR

PROVIDES READY-KEYED SOFFIT

Hy-Rib is unequalled in providing the above facilities and its use reduces costs to a minimum.

For the guidance of Constructional Staffs we provide working drawings for particular applications of Hy-Rib.

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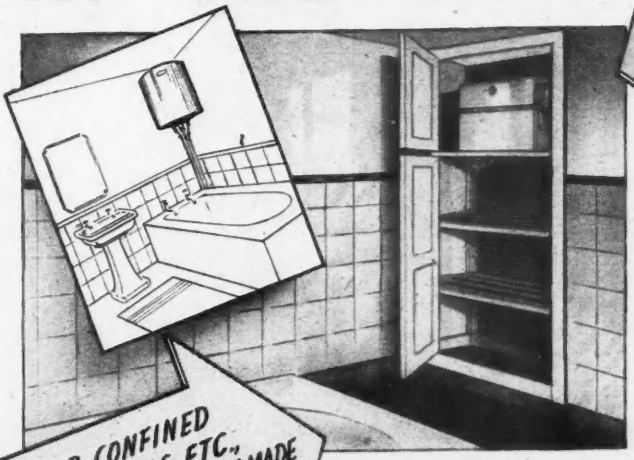
A COMPLETE HOT WATER SYSTEM

IN ONE TANK

SPECIFIED BY MORE THAN 300 LOCAL AUTHORITIES



Simplicity for Plumbing, Compactness for limited spaces, Accessibility after fixing, and for greater Heating Efficiency are the characteristics of the Rolyat system which have outmoded the tank and cylinder and convinced heating engineers and local authorities throughout the country of its superiority.

Several types and sizes are available for both Hard and Soft water areas and in various designs and capacities.

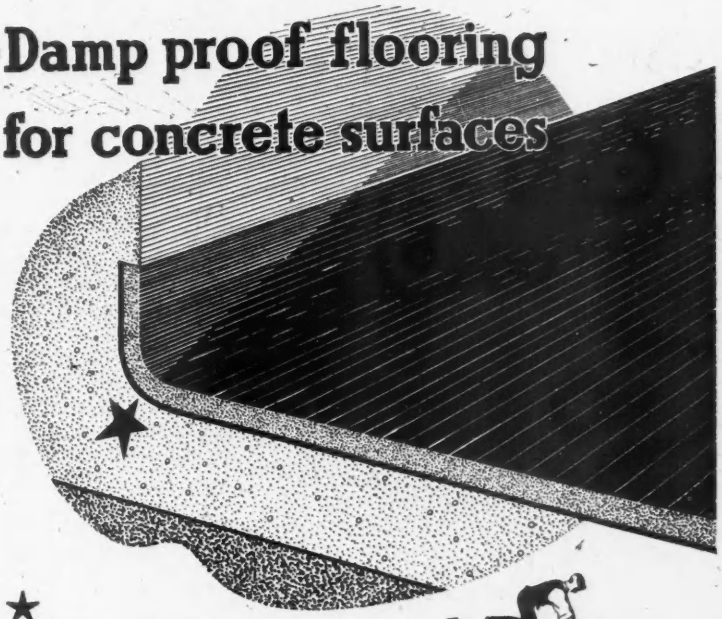
The manufacturers will be pleased to send complete specifications on request.

IDEAL FOR CONFINED SPACES CORNERS ETC., THE RECESSED TYPE CAN BE MADE DOWN TO A BACK TO FRONT MEASUREMENT OF ONLY 12 INCHES

ROLYAT PATENT HOT WATER TANKS

THE ROLYAT TANK CO·LTD · CROMWELL ROAD · YORK

Damp proof flooring for concrete surfaces



CORBULIN is a permanent damp-proof flooring for concrete surfaces. It may be fitted on new or existing concrete floors.

CORBULIN is a combination of natural products, cork, linseed oil, resin and gum blended together to form a hardwearing resilient flooring which will endure years of daily use. The bituminous backing is an effective safeguard against moisture from the screeded concrete.

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FOR WORK OF NATIONAL IMPORTANCE
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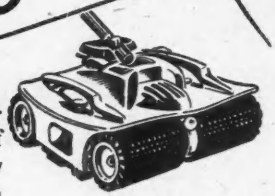

Better results obtained in a fraction of the time taken by hand polishing, with an immense saving in labour costs . . . a surface that can be kept clean with the minimum effort . . . a finish that protects and enriches your flooring*—these are some of the advantages of using a TRUVOX Polisher. TRUVOX Polishers ("OCO" models for large buildings, "JUNO" models for smaller areas) are the attractively styled modern machines for easier, one-hand operation, built for efficiency and reliability.

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High or medium Speed Hoist.
Tower and head gear.
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Tipping Skip as alternative to platform.
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IMMEDIATE DELIVERY

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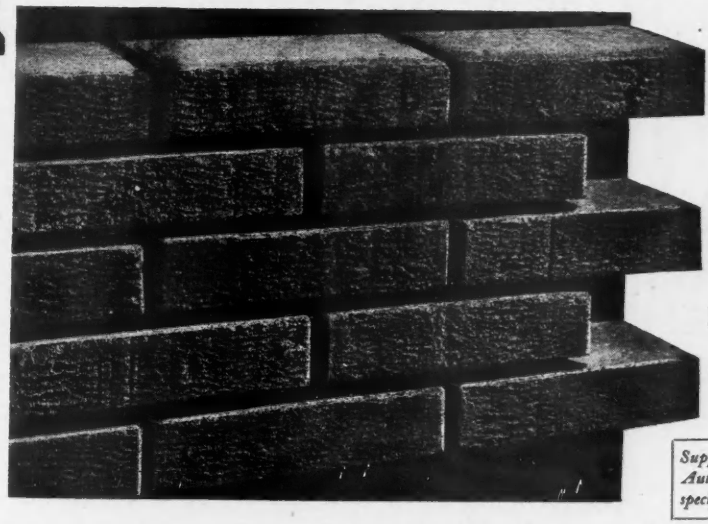

Here are inexpensive facings entirely different in effect and colouring. From pale buffs to soft reds tinged with grey, the appearance suffuses quiet warmth, restful and attractive. In addition to the well-known Buff-Multi's, these are made in:-

Salmon-Brown — ranging from buff-grey to very light salmon.

Red-Multi — in tones of deep red to mottled purple.

Chestnut-Brown — Our newest-shade sandfaced wirecut.

Supplies of facing bricks are fully booked until late Autumn but we are making reservations against specifications, etc., for next winter and 1951.

Salmon-Brown : Red-Multi : Chestnut-Brown

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TRUE FLUE

(PATENTED)

LINTOL BLOCK

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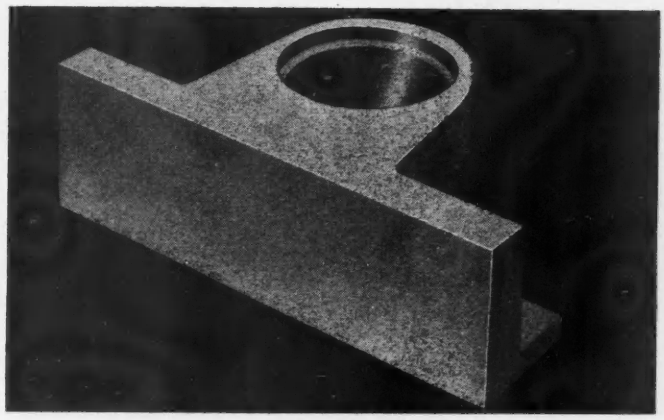
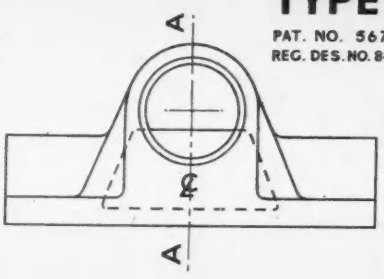
For further information please apply to:

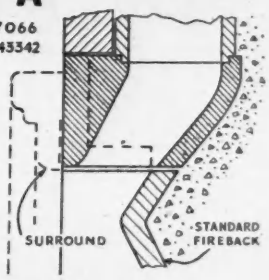


TYPE 'A'

PAT. NO. 567066
REG. DES. NO. 843342



PLAN



SECTION AA

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REINFORCED CONCRETE DESIGN AND CONSTRUCTION.
FLOORS IN SITU AND PRE-CAST. STAIRCASES.
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Lintile Quality
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The most popular grade for all trade purposes

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A thoroughly reliable grade for hard wear

Since 1864
LINOLEUM
has reigned supreme as the most
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Comfortable
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TILE DESIGNED FLOORS CAN BE SUPPLIED FREE OF PURCHASE TAX

All grades of Linoleum in Sheet or Tile form can be supplied from stock in a large range of Marble patterns, plain solid colours and effective designs. Enquiries invited from Commercial and Industrial Users, Architects and Public Bodies. Expert Designers and fitters available.

The late Lord Knutsford said: "If anyone were to give me a million I would; if I had my way, put down in the wards (of the London Hospital) no other floor covering than linoleum; it is quiet, warm, easily cleaned, non-absorbent and pleasant for nurses and patients to walk upon, which cannot be said of any other floor; add to these virtues that it is also the most economical and you will realise why every man, woman and child at home, at work, at school or play has reason to be grateful to Frederick Walton and the technicians and staff who valued him in his great work."

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The TANNO-CATALYSED PORTLAND CEMENT

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Provides a CONCRETE of great strength at early dates and impervious to water, oil, etc., without any form of surface coating.

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Produces a hard-wearing PAVING, dustless and proof against penetration by water, etc.

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Supplies an impenetrable RENDERING of such adhesive power that a 1" thickness will resist an outside pressure of at least a 20' head of water.

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Makes a perfectly watertight covering to brick or breeze concrete walls at very small cost, and also provides the best watertight undercoat to coloured finishes.

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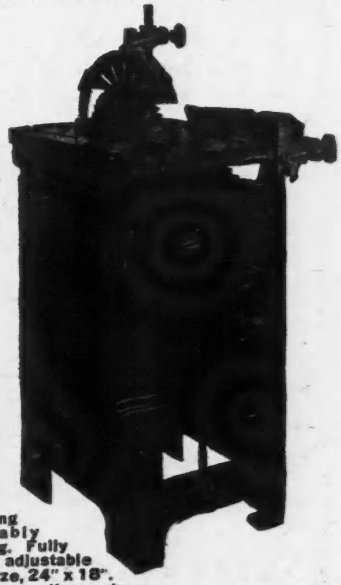
The "ZYTO" BENCH SPINDLE MOULDER Motorised in one unit, Veebelt drive, French head. 1" adjustable spindle, table size, 18" x 18", Fully guarded. Illustrated leaflet and price free on request.



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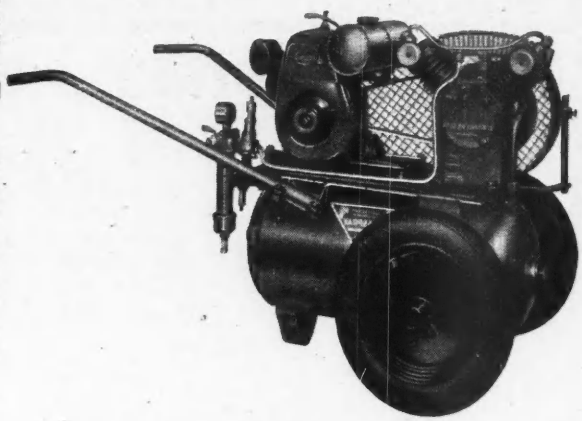
Write for Publication B.9250 or pin this to your letter heading and post to us *NOW!*



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DOW-MAC

PRESTRESSED CONCRETE FACTS

THE CONCRETE STRENGTH

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Seven days after casting this strength will increase to more than 6000 lb. per sq. in.

The wire used is high tensile steel, having an ultimate strength of 100-110 tons per sq. in. The initial tension applied to each 0.2 in. diameter wire is 2.2 tons, while the elongation in stretching is approximately 1 ft. per 200 feet length.

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Close control is exercised during each stage of manufacture. Sand and gravel are carefully graded. Cement complies with the relevant B.S.S. All materials are proportioned by weight and the water content in the mix is most carefully controlled.

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Compression test cubes are made from each mix and no wires are detensioned until the tests show that the concrete has attained the requisite strength. Tests are also made on the finished products to conform with the requirements of their ultimate use.

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Prestressed concrete in pre-cast form is now used for railway sleepers, roof and floor beams, bridge beams, piles and walings, electric transmission poles and for many other purposes. Dow-Mac, who made their first railway sleeper nearly 10 years ago, are now utilising their experience in these fields.

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DOWSETT GROUP
DOW MAC

D.M.2.

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Consulting Engineers:
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MARTYN BITUMINOUS FLOORS offer many advantages . . .

One of the main features of Martyn Bituminous flooring is its resiliency, a quality which enables it to stand up to the heaviest traffic conditions and to any amount of vibration. In fact, the flooring actually improves with wear, becoming more compact; marks and indentations which may appear when the floor is first laid, soon work out with use. Martyn Bituminous flooring is damp-proof, dust-proof, ductile, warm and noiseless to the feet; resistant to fire and to change of temperature; completely odourless at all stages. The floor can be laid direct on to a clean concrete base without screeding. The colours available are black, dark red, middle red and dark brown.

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Power without bulk. This is the Hammer for tough jobs such as cutting away, drilling up to 2" diameter holes in concrete and up to 3" diameter holes in brick and similar materials. At its weight (just under 22 lb.) the Kango model "E" is the most powerful Electric Hammer in the world!

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The Kango model "G" weighs only 14 lb. and is the perfect Hammer for all classes of light overhead work, where a heavier model might be too cumbersome. Amongst its other applications it is particularly useful for chase cutting, brick raking and many types of scaling.

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Electric Hammers Ltd

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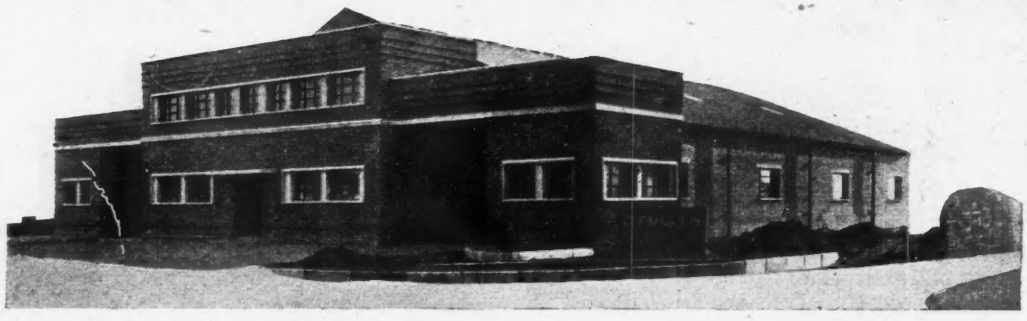

A GARAGE AND OFFICE BUILDING AT SOUTHAMPTON

Cyril A. Sheppard, L.R.I.B.A., Architect

Illustrated and described on page 366 of this issue

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(ARCHITECT: CYRIL A. SHEPPARD, L.R.I.B.A.)

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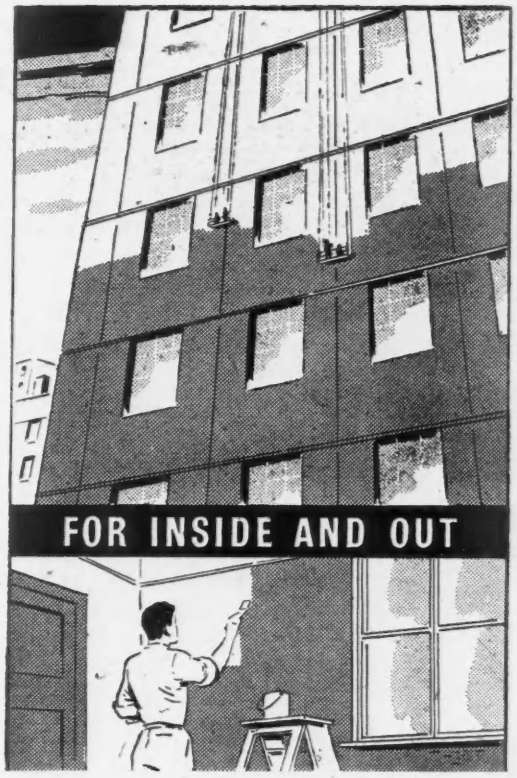
FOR A GARAGE AND OFFICE BUILDING, SOUTHAMPTON, ILLUSTRATED ON THIS PAGE

Architect: Cyril A. Sheppard, L.R.I.B.A.

ENQUIRIES WELCOMED



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Bedford.—42 houses on a site south of Mile-rd. for T.C. *Warton & Goodship, Ltd. (20); *Besbuilt, Ltd. (14); *Gambriel & Sugars (8) (total contract price, £53,000).

Bollington.—12 houses at Grimshaw-la. for U.D.C. *Blurtons, Ltd., 47a, Chatsworth-gr., Hazel Grove, Stockport, £15,477.

Bradford.—Erection of Eccleshill North Infants' School for E.C. *Leedsford, Ltd., Victoria Works, Eccleshill, Bradford, £40,826.

Burton-on-Trent.—Adaptations at General Infirmary to form pathological laboratory for Birmingham Regional Hospital Board. *A. Holmes & Sons, Dallow Bridge Works, Burton-on-Trent.

Cookham.—12 houses at Choseley estate, Knowl Hill, for R.D.C. James H. Beevis, M.Inst.R.A., Architect and S., "Oaklands," 1, Bath-rd., Maidenhead. Quantities by H. Cooper and Sons, Reading: *R. Harding (Cookham), Ltd., Halldore, Cookham, Berks, £17,136.

Chesterfield.—Ten aged persons' bungalows at Hillyfields estate for R.D.C. *G. W. Stainforth, Mosborough, nr. Sheffield, £9,221.

Crawley.—11 blocks of 3-storied flats and 1 block of 2-storey flats at No. 1A site, Northgate, for Devpt. Corp. A. G. Sheppard Fidler, M.A.B.Arch. (F.), A.M.T.P.I., Chief A. Quantities by Gardiner & Theobald, 24, Bedford-sq., London, W.C.1. *Ideal Building and Land Development Co., Ltd. (Carlton Contractors, Ltd.), Lingfield-cres., Rochester-way, Eltham, S.E.9, £114,092.

Crompton.—20 houses at Lower Rushcroft site for U.D.C. *Egerton Construction Co., Ltd., Denton

Croydon.—14 houses at Leighton-st. estate, for C.B.: *G. E. Hubble, 48, Carmichael-rd., S.E.25, £18,676 (subject to M.H. approval).

Earl Sterndale.—Rebuilding of church for Church Council. *C. E. Gaunt & Sons, Ltd., West Bars, Chesterfield.

Glasgow.—Five blocks of houses, certain blocks being 10 storeys and consisting of 260 houses, to be erected at Berryknowes-rd., on the Moss Heights at Cardonald, for the Corporation. Archibald J. Jury (F.), Architect & Housing Officer, Glasgow Cross, The Trongate, Glasgow, E.1. *Holland & Hannen and Cubitts (Scotland), Ltd., Glasgow, £688,000.

Glasgow.—Fabrication of 7 sections for Exhibition of Industrial Power at Kelvin Hall. *Armstrong & Co. (Wridale), Ltd Ashton-under-Lyne.

Glasgow.—Superstructural works in connection with the new school, erected at The Leitchland-rd. John MacNab (F.), Architect, 129, Bath-st., Glasgow, W.C.2. *Angus N. MacDougall & Co., Ltd., Glasgow, £50,648.

Hackney.—26 dwellings comprising Oldhill-st. housing scheme and Fawcett House extension and Apprentice Master scheme with A. E. Symes, Ltd., Brentwood, Essex, as Apprentice Master, £6,325 and £36,200.

Halesowen.—Houses at Fatherless Barn estate for T.C. 4 *P. Kite, Newfield-cres., Halesowen, £5,256; 4 *A. Rudge & Sons, £5,256; 4 *C. Burke, Belle Vale, £5,256; 4 *A. H. Farmer & Sons, 27, Attwood-st., £5,256.

Lambeth.—78 dwellings at Benton's-la., for B.C.

E. H. Smith (Croydon), Ltd.	£167,606
H. H. & F. Roll, Ltd.	165,485
Griggs & Son, Ltd.	164,298
Geo. Parker & Sons, Ltd.	163,200
McLaughlin & Harvey, Ltd.	161,350
Clarke, Barton & Co., Ltd.	160,467
Walker (Tooting), Ltd.	159,121
Rice & Son, Ltd.	158,010
H. T. Oliver & Sons, Ltd.	157,709
J. Jarvis & Sons, Ltd.	157,520
*Wilson, Lovatt & Sons, Ltd.	153,456

Lambeth.—Public convenience at Boyce-st., Waterloo, for B.C. *H. T. Oliver & Sons, Ltd., £6,900.

Lewisham.—Works for B.C. Erection of 8 houses at 58-68, Newlands-Park.

Thomas & Edge, Ltd.	£17,921
M. J. Gleeson, Ltd.	17,643
J. Crisp & Sons	17,210
William Harbrow, Ltd.	16,592
T. W. Driver, Ltd.	16,400
Gee, Walker & Slater, Ltd.	16,346
L. & W. Whitehead, Ltd.	16,250
W. Carter (Builders), Ltd.	15,453
Galbraith Bros., Ltd.	15,400
W. J. Mitchell & Son, Ltd.	15,321
Kent and Sussex Contractors, Ltd.	15,016
Harry Neal, Ltd.	14,975
M. J. Deane	14,678
Stone & Co. (London), Ltd.	14,430
Henry Kent (Builders), Ltd.	13,995
*Borough Architect	13,619

22 houses at "Thriffwood," Silverdale.

J. Crisp & Sons	£49,572
Stone & Co. (London), Ltd.	48,987
T. W. Driver, Ltd.	48,500
William Harbrow, Ltd.	48,264
L. and W. Whitehead, Ltd.	48,250
W. J. Mitchell & Son, Ltd.	47,682
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W. Carter (Builders), Ltd.	44,960
Henry Kent (Builders), Ltd.	43,961
M. J. Deane	43,400
*Borough Architect	39,885

L.C.C.—Construction of 16 sedimentation tanks at Northern Outfall Works, Beckton. *Edmund Nuttall, Sons & Co. (London), Ltd., £850,000.

¶**London (Admiralty).**—*Yeovilton*, R.N.A.S., relaying water main, D. R. Dunthorn and Son, Ltd., 16, Magdalene-st., Glastonbury, Somerset.

London (M.O.W.).—Contracts placed by M.O.W. for week ended September 16.

London: C.R.O., King Charles-st., Whitehall, Internal painting, C. & T. Painters, Ltd., Mordaunt-rd., Harlesden, N.W.10. M.O.W. Depot, 65-73, Mansell-st., 21-23, West Tenter-st., Stepney, Alterations, repairs and decorations, W. J. Cearns, Ltd., Carpenters-rd., E.15. New Post Office, 29-31, Cable-st., E.1, Conversion, Geo. Barker (Builders), Ltd., 48, New-rd., E.1. Government buildings, Bromyard-ave., Acton, Internal painting and cleaning, Geo. Jones & Sons (Contractors), Ltd., 27b, Kensington Church-st., W.3. *Beds*: Cranfield College of Aeronautics, External painting, J. S. Cowley & Sons, High-st., Stoney Stratford, Bucks. *Durham*: A.T.E., Pine-st., Norton-on-Tees, Alterations and additions, J. S. Earnshaw, Ltd., Castlegate, Stockton-on-Tees. *Essex*: Southend I.R.O., 63, Victoria-st., Southend, Erection of temporary offices, Taylor & Moore, 63-65, West-st., Westcliff-on-Sea. Ripple-rd., Barking, Erection of Employment Exchange, G. H. Miller & Co., Ltd., Sheridan Works, Thorpe-rd., Forest Gate, E.7. *Hampshire*: N.A.B. Hostel, Hiltingbury, Chandersford, Internal decorations, Wm. T. Nicholls, Ltd., Tennyson-rd., Portswood, Southampton. *Lanarkshire*: Parcel Post Office, Waterloo-rd., Glasgow, Renewal of ground floor, R. M. Gibson, 161, Langside, Glasgow. *Staffs*: M/F, Office, 132, Lichfield-st., Walsall, Erection of offices, stores, lavatory accommodation, K. S. Rock, & Co., Ltd., Little Pountney-st., Wolverhampton. *Surrey*: F.V.P.E., Chobham-lane, Chertsey, Erection of four Romney huts, Smith Bros., Ltd., Claremont Works, West Byfleet.

Middlesbrough.—10 houses at Beechwood housing site, for T.C.: *J. Oakley, Valley-rd., Grove Hill, Middlesbrough.

Middlesbrough.—Rebuilding of 12 houses at Orwell-st. and Mills-st., for T.C. J. A. Kenyon, B.E.: *Premier Dwellings, Ltd., Cargo Fleet-la., Middlesbrough, £970 per house, including roads and sewers (revised tender).

Oxford.—Erection of Bayswater Secondary Modern School, Headington, for E.C. *T. H. Kingerlee, Queen-st., Oxford, £106,619.

Peterlee (Co. Durham).—266 houses and roads and sewers to serve about 1,000 houses, for Development Corporation, Shotton Hall, Castle Eden, Co. Durham: *Lane, Fox & Co., Ltd., Norton-on-Tees, £500,000.

Plymouth.—Reinstatement of Palace Court School to form School of Architecture for T.C. Louis de Soissons, A.R.A., & Partners, 11, The Crescent, Plymouth. Quantities by Smith & Bowl, Plymouth. *Cockeek & Sons, Ltd., 5, Radnor-st., Plymouth, £25,393.

Sale.—54 houses at Baguley-la estate for B.C. *F. Entwisle & Co., Ltd.

Scottish Special Housing Association, Ltd.—Contracts placed for period June 21 to August 23:—Site Servicing: Kilmacolm, Renfrewshire (4 trad.), Wm. Lind & Co., Ltd., Elderslie, Renfrewshire, formation of footways, etc.; Beith-rd., Johnstone (50 Weir), S.W. Scotland Electricity Board, 206, St. Vincent-st., Glasgow, contribution laying main cable and services; Harthill, Lanarkshire (94 trad.), S.W. Scotland Electricity Board, 137, Almada-st., Hamilton, contribution laying main cable and services; Bank-st., Irvine (114 Orlit), S.W. Scotland Electricity Board, Greenholm-st., Kilmarnock, contribution laying main cable and services; Shortlees, Kilmarnock (56 Miller), S.W. Scotland Electricity Board, Greenholm-st., Kilmarnock, contribution laying main cable and services; Toryglen, Glasgow (356 trad.), S.W. Scotland Electricity Board, 137, Almada-st., Hamilton, contribution laying main cable and services; Cummings Park, Aberdeen (100 Cruden), North of Scotland Hydro Electric Board, Aberdeen, contribution laying main cable and services; Forehill-rd., Ayr (42 trad.), S.W. Scotland Electricity Board, Kilmarnock, contribution laying main cable and services; Strathyre, Perthshire (4 Swedish), R. McD. Cameron, Garrel-Ballat, Balfron, water supply; Netherthird, Cumnock (68 Atholl, 40 trad., 92 Weir), S.W. Scotland Electricity Board, Kilmarnock, contribution for main cable and services; Aros, Mull, Argyllshire (5 Swedish), Modern Homes (Edinburgh), Ltd., 4, Melville-cres., Edinburgh, water supply; Sauchie, Clackmannan (104 trad.), S.E. Scotland Electricity Board, Stirling, service cables; Maiden Park, Bo'ness, S.E. Scotland Electricity Board, Stirling, electric cables; Deer Park, Sanquhar (76 Atholl), S.W. Scotland Electricity Board, Dumfries, electric mains and services; Woodmill, Dunfermline, P. Laing & Sons, Crossford, Dunfermline, laying out of open spaces; Brora, Sutherlandshire (12 trad.), Alex. Sutherland, Duke-st., Golspie, site servicing.

House Erection: Netherthird, Cumnock (106 Weir), Chisholm & McConachie, Grangehill Works, Polmont, Falkirk, guard rails; Mayfield, Saltcoats (100 trad.), Barnet & Morton, 190, High-st., Kirkcaldy, fencing; Menstrie, Clackmannan (52 Atholl), Barnet & Morton, 190, High-st., Kirkcaldy, fencing; Addiebrownhill, Midlothian (42 trad.), Northern Sports Ground Construction Co., 133a, George-st., Edinburgh, fencing; Portree, Skye (4 trad.), Oban Argyllshire (20 trad.), Lamlash, Argyllshire (4 trad.), Girvan, Ayrshire (4 trad.), Harvey, Gordon & Campbell, 78, Hanover-st., Edinburgh, ironmongery; Tulliallan, Fifeshire (21 trad.), Scottish Gas Board, Canmore-st., Dunfermline, gas services; Newarthill, Lanarkshire (84 trad.), Alex. W. Thomson, 132, Main-st., Bellshill, plumber; Clickimin, Lerwick (46 trad.), Alex. Hall & Son, Ltd., 15, Mid Stocket-st., Aberdeen, all trades; Hayfield and Bruce Crescent, Lerwick (34 trad.), Wm. Fraser & Partners, Ltd., 28, Commercial-rd., Lerwick, all trades; Newarthill, Lanarkshire (84 trad.), Jas. Kilpatrick & Son, Kelvin House, Paisley, electrical; Sauchie, Clackmannan (104 trad.), Alex. Pender, jun., Muiravonside, Linlithgow, fencing; Delphwood, Clackmannan (228 trad.), Sauchie, Clackmannan (104 trad.), Road frontage, Tullibody (44 trad.), Boyne, Smith & Wyllie, Nelson-st., Edinburgh, electrical; Toryglen, Glasgow (192 Weir), Arch. Low & Sons, Ltd., 82, Merkland-st., Glasgow, pipe and fittings to overhead water tank; Dysart, Kirkcaldy (54 Weir), Robt. Ballantyne, Castlebeggie-st., Markinch, fencing; Toryglen, Glasgow (96 trad.), Alex. W. Thomson, 132, Main-st., Bellshill, plumber; Borestone, Stirling (100 trad.), Scottish Gas Board, Stirling, gas services; St. Leonards, Dunfermline (152 trad.), J. & D. Burns, 34, Hill-st., Dunfermline, plumber; Larkfield, Greenock (300 no-fines), Hay & Anderson, Broomhill Farm, Kilwinning, fencing; Bothwell, Hamilton (20 trad.), Loudon & Inglis, 87, Calder-st., Coatbridge, all trades; Delph Wood, Clackmannan (228 trad.), Patrick Knox & Sons, Ltd., 31, Crichton-pl., Edinburgh, plumber; Sauchie, Clackmannan (104 trade.), Patrick Knox & Sons, Ltd., 31, Crichton-pl., Edinburgh, plumber; Road frontage, Tullibody (44 trad.), Patrick Knox & Sons, Ltd., 31, Crichton-pl., Edinburgh, plumber; Sanquhar, Dumfries (76 Atholl), Scottish Gas Board, Kilmarnock, gas services; St. Leonards, Dunfermline (152 trad.), Scottish Gas Board, Dunfermline, gas services; Chryston, Lanarkshire (102 trad.), Barnet & Morton, Ltd., Kirkcaldy, fencing; Toryglen, Glasgow (96 trad.), Boyne, Smith & Wyllie, 20, Nelson-st., Edinburgh, electrical; Shortlees, Kilmarnock (various), A. & J. Main & Co., Ltd., Clydesdale Iron Works, Possilpark, Glasgow, fencing; Tullibody, Clackmannan (44 trad.), Boyne, Smith & Wyllie, 20, Nelson-st., Edinburgh, electrical; Delph Wood, Clackmannan (228 trad.), Boyne, Smith & Wyllie, 20, Nelson-st., Edinburgh, electrical; Sauchie, Clackmannan (104 trad.), Boyne, Smith & Wyllie, 20, Nelson-st., Edinburgh, electrical; Mountfleurie, Leven (42 trad.), T. Stewart & Son, 208, High-st., Methil, plumber; Mountfleurie, Leven (52 trad.), George Kirk, 20, Cook-st., Glasgow, glazier; Mountfleurie, Leven (52 trad.), P. Kelly & Son, 33, Brunswick-rd., Edinburgh, roof tiler; Mountfleurie, Leven (52 trad.), Neil Nicholson, 12, Whytehouse-ave., Kirkcaldy, painter; St. Leonard's Hill, Dunfermline (152 trad.), S.E. Scottish Electricity Board, Dunfermline, electric services; Mains of Fintry, Dundee (250 no-fines concrete), Boyne, Smith & Wyllie, 20, Nelson-st., Edinburgh, electrical; St. Leonard's Hill, Dunfermline (152 trad.), Boyne, Smith & Wyllie, 20, Nelson-st., Edinburgh, electrical; Cuiken Burn, Penicuik (90 Cruden), Northern Sports Ground Construction Co., Ltd., 133, George-st., Edinburgh, fencing; Honeyfield, Jedburgh (30 Miller), James Miller & Partners, Ltd., Edinburgh, all trades; Dysart, Kirkcaldy (54 Weir), Robert Ballantyne, Star, Markinch, fencing; Hayshead, Arbroath (218 trad.), Alex. Birse & Son, Lindsay-st., Arbroath, handrails; Tullibody, Clackmannan (160 Atholl), Alexander & Son, Belford-rd., Edinburgh, guard and handrails; Mains of Fintry, Dundee (250 no-fines concrete), A. D. Mitchell &

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Site Servicing.—Carskeoch, Patna (80 Weir, 72 Atholl), road and surface; Sauchie, Clackmannan (104 trad.), site servicing; Delph Wood Clackmannon (228 trad.), site servicing; Dunearn Drive, Valley-gdns., Kirkcaldy (248 various), site servicing; Polton hall, Midlothian (150 Weir, 80 Cruden), site servicing; Kelloholm, Kirkconnel (140 Cruden), site servicing; Lomond-rd., Balloch (10 trad.), road and footpath surfacing; Wallyford, Midlothian (202 Cruden, site servicing; Netherthird, Cumnock (106 Weir, 92 Atholl), road and footpath surfacing; Redburn-rd., Prestonpans (100 trad.) road and footpath surfacing; Carskeoch, Patna (50 Weir), site servicing; St. Leonard's Hill, Dunfermline (152 trade.), site servicing; Borestone, Stirling (152 trad.), site servicing; West Kilbride-rd., Dalry (150 Swedish), David Andrews, 83, New-st., Dalry, painter.

Seaham.—R.C. Presbytery. Architect, Robert Burke, Lambton-rd., Jesmond, Newcastle-on-Tyne: *J. Cummings, Matamba-ter., Sunderland (work in hand).

Shrewsbury.—Extensions to fire station for Salop C.C. *E. G. Lester, Ltd., Cannock rd., Stafford, £7,538.

Skipton.—Houses for R.D.C. 4 at School-la., Bardley, *Merritt & Fryers, Ltd., £5,354; 2 at Collinge-rd., Cowley, *T. H. Metcalfe, £2,719.

Southgate.—11 flats, Avenue-rd., N.14, for B.C. Fisk, Burley & Fisk, Architects, 24, Buckingham-st., Strand, W.C.2. Quantities by Young & Brown, High Holborn. *Francis Jackson (Contractors), Ltd., Glebe-ave., Ickenham, Middx., £22,824.

Southgate.—16 aged persons' dwellings at Bowes-rd. for B.C. David du R. Aberdeen, B.A. (F.), A.M.T.P.I. Quantities by Young & Brown, High Holborn. *Orchard & Peer (London), Ltd., Nightingale-la., London, S.W.12, £17,914.

Stoke Newington.—Works for B.C. Four one-bedroom flats at Princess May-rd., and Cressington-rd. Direct Labour, £4,441; two 2-bedroom flats at 52 & 54, Londesborough-rd. *Wm. Jerram, Ltd., £3,344.

Sunderland.—Factory additions at Pallion, for Steels Engineering Products, Ltd.: *Direct labour.

Uttoxeter.—Stage 1 of reconstruction of cattle market for U.D.C. *G. Percy Trentham, Ltd., Longton, Stoke-on-Trent, £17,500 (subject to M.O.H. approval).

Walsall.—28 flats at Little Bloxwich site and 17 houses at Bescot Farm for B.C. *Sir Alfred McAlpine & Sons, Ltd., Waterloo-rd., Wolverhampton, £27,344 and £20,772.

Whitefield.—20 flats and 10 houses with outbuildings at Elms estate, scheme No. 5, for U.D.C. J. H. Greenwood, M.I.Mun.E., A.R.I.C.S., A.I.A.A., S. and Architect, Town Hall. Quantities by Cameron & Middleton, Manchester: *E. & S. Street, Ltd., Bolton-rd. Saw Mills, Farnworth, Lancs.

***Wrexham.**—32 flats, Little Acton for T.C. J. M. Davies, M.I.Mun.E., registered architect. *H. R. & E. Roberts, Johnstown, Wrexham. £29,101.

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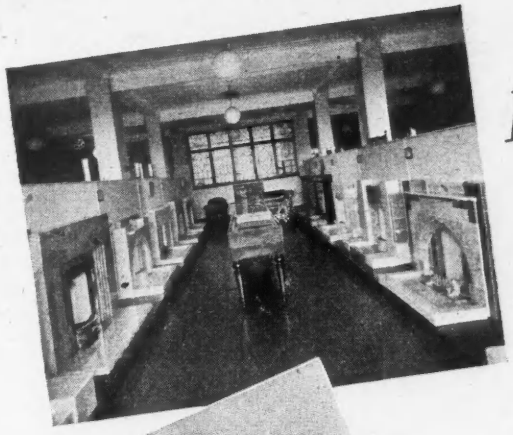

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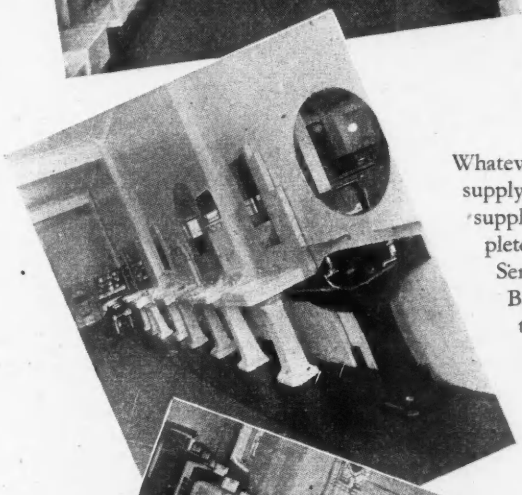

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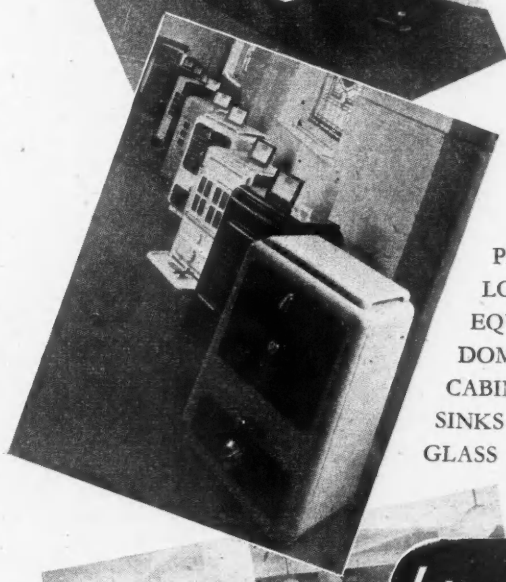

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CONTRACTS

CITY OF COVENTRY.

PROPOSED ADAPTATION OF PART OF LONDON-ROAD ESTABLISHMENT TO PROVIDE TEMPORARY LIVING ACCOMMODATION.

TO BUILDERS AND CONTRACTORS.

The HEALTH COMMITTEE of the Coventry Corporation invites TENDERS for this proposed adaptation, which will ultimately provide FOUR TWO-ROOM FLATLETS and TWO SINGLE-ROOM FLATLETS.

Applications for Bills of Quantities and Forms of Tender should be made by Monday, 9th October, 1950, and should be sent to the undersigned, with a cheque made payable to the Corporation of Coventry, for a £2 2s. deposit. Deposits will be refunded upon the receipt of a bona-fide Tender or the notification of inability to tender, provided such is received on or before the latest date of tendering.

Sealed Tenders, endorsed "London-road," are to be delivered to the undersigned by MONDAY, 30th OCTOBER, 1950.

The lowest of any Tender will not necessarily be accepted, and Contractors tendering must do so at their own expense.

DONALD GIBSON,
City Architect and Planning Officer.
1a, Warwick-row,
Coventry.
29th September, 1950.

METROPOLITAN BOROUGH OF CAMBERWELL.

LORDSHIP-LANE HOUSING ESTATE.

ERECTION OF 186 MULTI-STOREY FLATS.

The Camberwell Metropolitan Borough Council invite TENDERS for the ERECTION of 186 MULTI-STOREY FLATS on the LORDSHIP-LANE HOUSING ESTATE from Building Contractors who are thoroughly experienced in the class of work involved and are amply provided with the necessary plant.

Drawings and specification of the dwellings may be inspected at the offices of the Architects, Messrs. John Grey & Partner 17, Buckingham-street, Strand, W.C.2. (Telephone No. TRAfalgar 3787), on and after 29th September, 1950.

Bills of Quantities, together with forms of Tender will be forwarded to Contractors desirous of Tendering on the 2nd October, 1950, on payment of a deposit of £5 5s., to the undersigned which sum will be refunded to each Contractor submitting a bona-fide Tender after all the Tenders have been considered by the Council. Tenders on the forms supplied, together with the priced Bills of Quantities are to be delivered in the official envelopes provided to the undersigned not later than 12 noon on MONDAY, 30th OCTOBER, 1950. The Council do not bind themselves to accept the lowest or any Tender.

DARRELL MUSKER,
Town Clerk.

Town Hall,
Peckham-road,
Camberwell, S.E.5.

COUNTY OF LINCOLN—PARTS OF LINDSEY.

TWO-FORM-ENTRY JUNIOR SCHOOL, BOWL ALLEY-LANE, HORNCASTLE.

TENDERS are invited for the ERECTION of a TWO-FORM-ENTRY JUNIOR SCHOOL, BOWL ALLEY-LANE, HORNCASTLE. Bills of Quantities and Forms of Tender will be ready for issue towards the end of September. Tenders must reach the County Architect in the official envelope, which must bear no indication of the sender's identity. The County Council do not bind themselves to accept the lowest or any Tender.

F. J. BIRKBECK
Director of Education.

County Offices,
Lincoln.

BOROUGH OF HAMPSTEAD.

TO BUILDERS AND CONTRACTORS.

The Council of this Borough invite applications from Builders and Contractors who are desirous of tendering for the following housing work:—

(i) ERECTION OF 112 FLATS, in FOUR BLOCKS, at Shoot-up Hill, Cricklewood, N.W.2.

(ii) ERECTION OF 25 FLATS, IN ONE BLOCK, at Lawn-road N.W.3.

The Council will select a limited number of applicants who will be invited to tender for the work, but reserve the right to add others. Builders desirous of tendering (indicating which scheme, or both) should forward their names and addresses to me not later than THURSDAY, 5th OCTOBER, 1950, with a statement as to housing contracts or work carried out by them.

By order,
P. H. HARROLD,
Town Clerk.

Town Hall,
Haverstock Hill, N.W.3.
September, 1950.

CITY AND COUNTY OF CANTERBURY.

ERECTION OF PERMANENT HOUSES.

The COUNCIL invite TENDERS for the ERECTION of 70 HOUSES at LONDON-ROAD HOUSING SITE, comprising Contracts for TERRACE HOUSES in blocks each of 10, 7, 6, 5 and 4 houses.

Bills of Quantities may be obtained from the undersigned upon payment of £2 2s. deposit, which will be refunded if a bona-fide Tender is delivered and all documents issued returned. Drawings and Conditions of Contract may be inspected at the office of the undersigned.

The Council will determine the grouping of houses into Contract, but Contractors may tender for all or any of the above-mentioned types.

Sealed Tenders must be delivered in the endorsed envelope provided not later than 12 noon on MONDAY, 9th OCTOBER, 1950.

The Council do not bind themselves to accept the lowest or any Tender.

L. HUGH WILSON,
City Architect.

Municipal Buildings,
Canterbury.

WEST MERSEA URBAN DISTRICT COUNCIL.

TO DEMOLITION AND BUILDING CONTRACTORS.

COASTGUARD GARDENS SITE.

TENDERS are invited for the DEMOLITION of remains of OLD COTTAGES formerly known as Coastguard Cottages, Churchfield and for the CONSTRUCTION of a CONCRETE SERVICE ROAD.

Specification, Bills of Quantities and Form of Tender can be obtained on application to R. J. Sparrow, A.R.I.B.A., & Partner, Architects, 7, North-hill, Colchester, accompanied by a deosit of £2 2s., returnable on receipt of a bona-fide Tender.

Drawings and conditions of contract may be inspected at the office of the Architects, and at the Council Offices, Melrose-road, West Mersea.

Tenders to be submitted not later than 10 a.m., THURSDAY, 5th OCTOBER, 1950.

The Council do not bind themselves to accept the lowest or any Tender

W. H. CARRINGTON,
Clerk to the Council.

Council Offices,
West Mersea,
Essex.

SOMERSET COUNTY COUNCIL.

EDUCATION COMMITTEE.

Applications are invited from Building Contractors wishing to TENDER for the UNDERMENTIONED WORK:

NEW INFANTS' SCHOOL, BATH-ROAD, WELLS. (Approximate cost of project £12,000 to £15,000.)

Applications should be submitted to the undersigned not later than 12 noon, MONDAY, 9th OCTOBER, 1950, and should contain an assurance that the applicant has the necessary financial and material resources, and organisation to undertake the work.

The Council reserves the right to select from the applicants a list of firms who will be invited to submit Tenders, and does not bind itself to accept the lowest or any Tender.

A deposit of £2 2s. will be required from those firms so selected, and will be returnable upon receipt of a bona-fide Tender or the return of the Bill of Quantities.

No Tender will be considered unless submitted in the endorsed envelope, which will be provided.

R. O. HARRIS, F.R.I.B.A.,
County Architect.

Park-street,
Taunton.

METROPOLITAN BOROUGH OF WANDSWORTH.

ERECTION OF EIGHT SINGLE-STOREY AGED PEOPLE'S DWELLINGS AND CONVERSION OF EXISTING BUILDING INTO A HOSTEL AT A SITE IN UPPER TOOTING-ROAD.

Contractors who desire to TENDER for the ABOVE-MENTIONED WORKS are requested to submit their names to the Town Clerk, Municipal Buildings, S.W.18, not later than WEDNESDAY, 4th OCTOBER, 1950.

Contractors should give details of experience, plant and technical and supervisory staff available, and also give the names of two technical and two financial referees.

Bills of Quantities will be submitted to selected contractors in due course.

Drawings may be inspected at the office of the Borough Architect, Room 112a, Municipal Buildings, S.W.18.

By Order,
R. H. JERMAN,
Town Clerk.

Municipal Buildings,
S.W.18.
16th September, 1950.

ISLE OF ELY COUNTY COUNCIL.

PROPOSED INFANTS' SCHOOL, DOWNHAM-ROAD, ELY.

TO BUILDING CONTRACTORS.

TENDERS are invited for the ERECTION of a TWO-FORM ENTRY INFANTS' SCHOOL, for approximately 240 children, at DOWNHAM-ROAD, ELY. The building is single storey and is to be constructed with load-bearing brick walls and pre-stressed precast concrete roof beams and slabs, and the work includes drainage and site works.

Bill of Quantities and Form of Tender may be had on application to the County Architect, R. D. Robson, Esq., A.R.I.B.A., County Hall, March, accompanied by a deposit of Four Guineas (£4 4s.), the deposit will be returned on receipt of a bona-fide Tender and the return of all documents. Cheques should be made payable to the Isle of Ely County Council.

Tenders must be delivered to the Clerk of the County Council in the envelope provided not later than first post on 23rd OCTOBER, 1950.

The Council do not bind themselves to accept the lowest or any Tender.

The successful contractor will be required to enter into a formal contract with the Isle of Ely County Council. A copy of the form of contract may be seen at the office of the County Architect during the usual office hours.

R. F. G. THURLOW.
Clerk of the County Council.

County Hall,
March.
28th August, 1950.

COUNTY BOROUGH OF MERTHYR TYDFIL.

CONVERSION OF PENOYRE MANSION, BRECON, INTO SCHOOL FOR DELICATE CHILDREN.

TENDERS are invited for the CONVERSION of the ABOVE THREE-STOREY MANSION into a SCHOOL for DELICATE CHILDREN.

The Specification, Bills of Quantities, General Conditions of Contract and Form of Tender may be obtained from, and the plans in connection therewith may be seen at, the office of the Borough Engineer and Architect, Town Hall, Merthyr Tydfil, upon payment of a deposit of £2 2s., returnable on receipt of a bona-fide Tender.

The Contract will include for drainage and sewage disposal works, water supply and filtration, but tenderers are to note that the heating, domestic water supply and internal plumbing will be the subject of a sub-contract.

Tenders must be enclosed in a plain, sealed envelope endorsed "Penoyre Mansion," and must be returned to the undersigned not later than noon on 14th OCTOBER, 1950.

The lowest or any Tender will not necessarily be accepted.

T. S. EVANS,
Town Clerk.

Town Hall,
Merthyr Tydfil.
18th September, 1950.

METROPOLITAN BOROUGH OF DEPTFORD.

TOWN HALL CLOCK TURRET.

TENDERS are invited for the complete REINSTATEMENT of the TOWN HALL CLOCK TURRET. Conditions of Contract and Specification of Works, together with working drawings, may be obtained upon application to the Borough Engineer and Surveyor, Deptford Town Hall, New Cross, S.E.14.

Tenders to be enclosed in the envelope provided and to be received by the Town Clerk not later than 4 p.m. on WEDNESDAY, 25th OCTOBER, 1950.

ERNEST FIELD,
Town Clerk.

Deptford Town Hall,
S.E.14.
19th September, 1950.

URBAN DISTRICT OF WHITBY.

EAST SIDE REDEVELOPMENT.

TENDERS are invited from Building Contractors for the ERECTION of HOUSES (5), FLATS (3) and SHOPS (3) in the WELL YARD AREA, CHURCH-STREET, WHITBY.

Applications for Specification, Bills of Quantities, Form of Tender, etc., should be made to the Council's Architects, Messrs. Peacock & Bewley, 224, Hagley-road, Edgbaston, Birmingham, 16, on or before the 30th SEPTEMBER, 1950, accompanied by a deposit of £2 2s, which will be refunded on receipt of a bona-fide Tender and the return of the documents.

Plans may be inspected at the address mentioned below, and the date for the receipt of Tenders will be given on the Form of Tender.

The Council do not bind themselves to accept the lowest or any Tender, and the acceptance of a Tender will be subject to the approval of the Ministry of Health.

A. C. ROSS,
Clerk of the Council.

The Council Offices,
St. Hilda's-terrace,
Whitby.
September, 1950.

BOROUGH OF HESTON AND ISLEWORTH.

TWICKENHAM-ROAD HOUSING ESTATE.

The BOROUGH COUNCIL invite TENDERS for the ERECTION of (a) 46 HOUSES and (b) 24 DWELLINGS in blocks of eight (each three storeys high) on the TWICKENHAM-ROAD HOUSING ESTATE.

Firms wishing to tender are asked to make application to the Borough Engineer and Surveyor, Mr. O. P. F. Hilton, A.M.I.C.E., 88, Lampton-road, Hounslow, accompanied by a deposit of £3 3s. (Three Guineas), which will be refunded on receipt of a bona-fide Tender. (The relevant documents and Form of Tender will be forwarded on or about 16th OCTOBER, 1950.)

Tenders, in a plain sealed envelope, are to be delivered to the undersigned endorsed "70 Dwellings—Twickenham-road," not later than 10 a.m. on TUESDAY, 31st OCTOBER, 1950. Tenders which do not comply with these conditions will not be considered.

The Council do not bind themselves to accept the lowest or any Tender.

HAROLD SWANN,
Town Clerk.

Council House,
Hounslow,
Middlesex.

BOROUGH OF LUTON.

414 HOUSES, FARLEY HILL ESTATE.

IRONMONGERY.

TENDERS are invited for the SUPPLY and DELIVERY of IRONMONGERY required at the above ESTATE.

The Form of Tender and Specification may be obtained from the Borough Engineer, Town Hall, Luton, on payment of a deposit of £2 2s., which will be returned following the receipt of a bona-fide Tender which is not subsequently withdrawn. Cheques must be made payable to the "Luton Corporation."

Tenders, enclosed in the official envelope provided, must reach the undersigned not later than noon on TUESDAY, the 17th OCTOBER, 1950.

The Council do not bind themselves to accept the lowest or any Tender.

W. H. ROBINSON,
Town Clerk.

Town Hall,
Luton.
23rd September, 1950.

CITY AND COUNTY OF THE CITY OF CHESTER.

PUBLIC CONVENIENCES FOR PUBLIC AND MARKET TENANTS, HAMILTON-PLACE, CHESTER.

TO BUILDING CONTRACTORS.

The CORPORATION invite firms who are experienced in similar work of a considerable size and who wish to tender for the ERECTION of these CONVENIENCES, to send their names and addresses to Charles Greenwood, M.I.C.E., L.R.I.B.A., City Engineer and Surveyor, Municipal Offices, Chester, before 9th OCTOBER, 1950.

Specification and Bills of Quantities will be forwarded after that date. Each application must be accompanied by a fee of One Guinea, which will be returned after the receipt of a bona-fide Tender.

G. BURKINSHAW,
Town Clerk.

Town Hall,
Chester.

BOROUGH OF FOLKESTONE.

HORN-STREET SITE NO. 2.

ERECTION OF ONE BLOCK OF BUILDINGS COMPRISED OF TWO SHOPS WITH LIVING ACCOMMODATION OVER, AND TWO HOUSES.

CONTRACT "F."

The CORPORATION invite TENDERS for the ERECTION of ONE BLOCK of BUILDINGS comprised of TWO SHOPS, with LIVING ACCOMMODATION over, and TWO HOUSES at HORN-STREET SITE NO. 2, CONTRACT "F."

Contractors wishing to tender must register their names with the Borough Engineer, Municipal Offices, West Terrace, Folkestone, not later than TUESDAY, 10th OCTOBER, 1950, and deposit Three Guineas with the Borough Treasurer at the same address, which sum will be refunded on receipt of a bona-fide Tender and return of all documents.

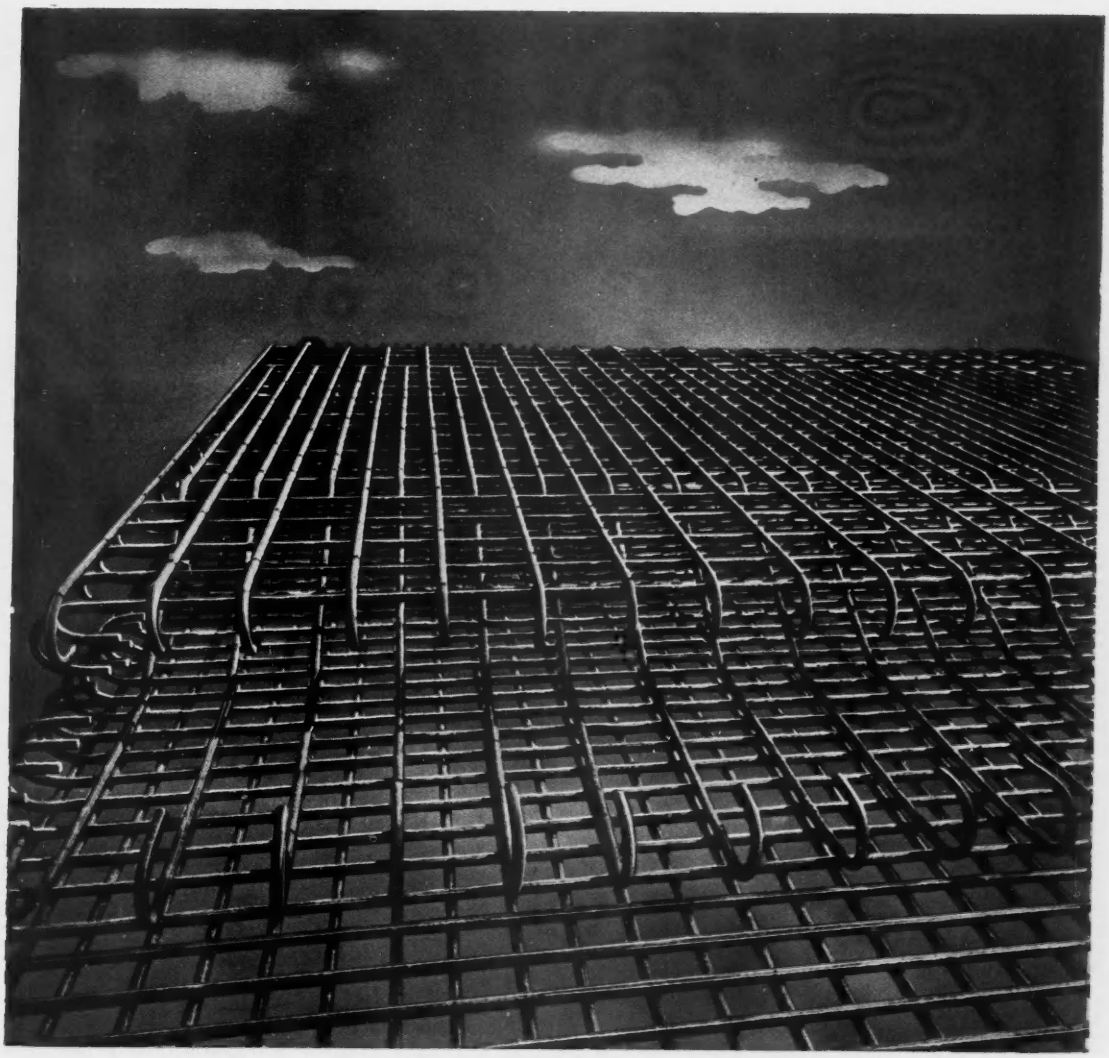
Bills of Quantities will be despatched after this date, and Tenders in plain, sealed envelopes endorsed "Shops, etc., Horn-street, Contract "F.'" must be received at the Town Clerk's Office by TUESDAY, 31st OCTOBER, 1950.

Plans may be seen at the Borough Engineer's Office, where inquiries should be addressed.

The Corporation do not bind themselves to accept the lowest or any Tender.

C. F. NICHOLSON,
Town Clerk.

Town Clerk's Office,
West Terrace,
Folkestone.
19th September, 1950.



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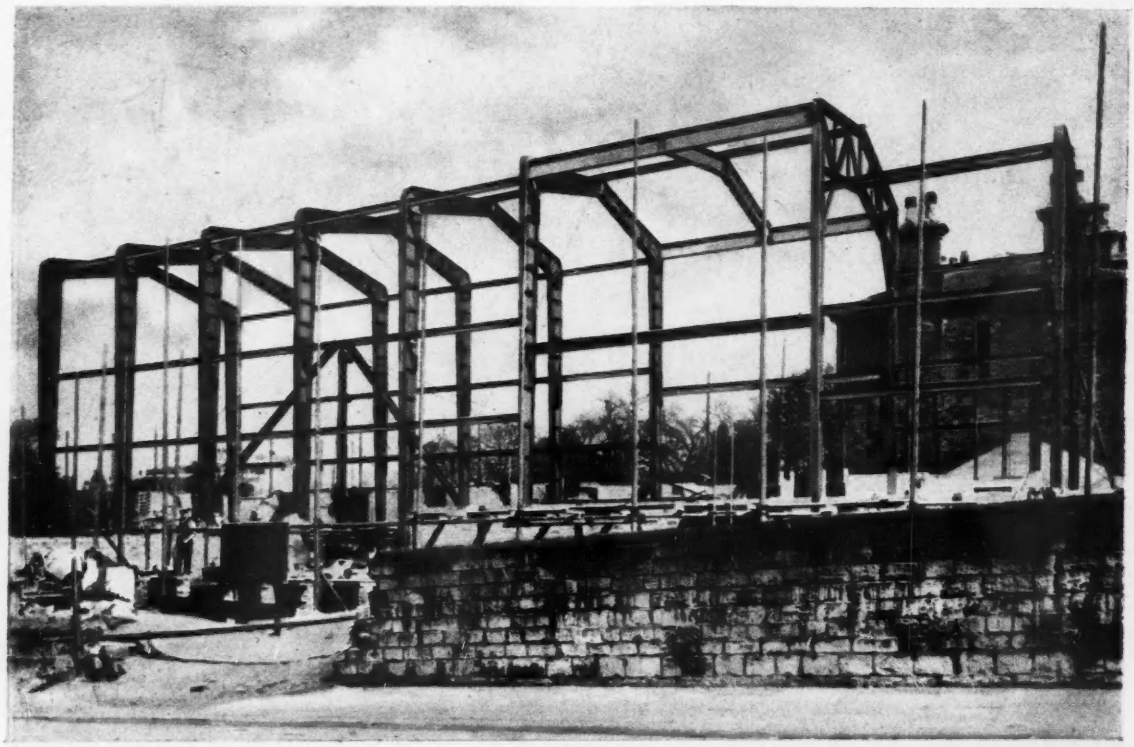
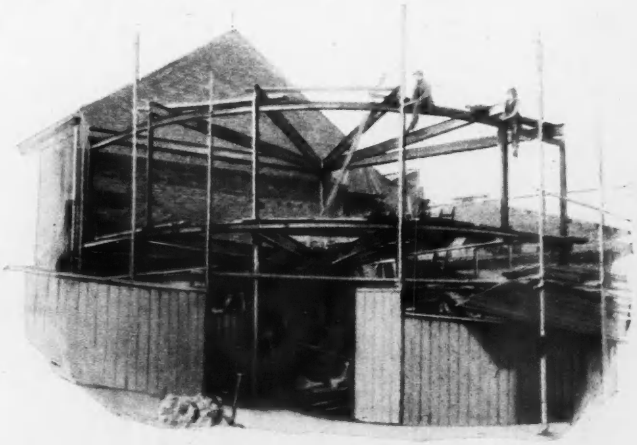


A Steel-framed Church

A lofty, open building such as this church benefits greatly from the characteristic form of the steel three-pin arch. The structure is simplified and traditional, yet with a considerable freedom of architectural treatment. The top articulation of the half-arches can just be seen in the illustration.

Right : a contrast; an ingenious structure for a corner shop with six beams radiating from a single stanchion.



STEEL STRENGTH SECURITY

B·C·S·A

BRITISH CONSTRUCTIONAL STEELWORK ASSOCIATION, ARTILLERY HOUSE, WESTMINSTER, S.W.1.

SWADLINCOTE DISTRICT
URBAN DISTRICT COUNCIL.

CONSTRUCTION OF UNDERGROUND PUBLIC CONVENIENCES AND ALTERATIONS TO THE FRONT OF THE TOWN HALL, SWADLINCOTE.

TENDERS are invited for the CONSTRUCTION of TWO UNDERGROUND PUBLIC CONVENIENCES, together with ALTERATIONS and ADDITIONS to the FRONT of the TOWN HALL, SWADLINCOTE.

Plans, General Conditions of Contract, Specification, Bill of Quantities and Form of Tender may be obtained from the office of the Engineer and Surveyor to the Council, Bank House, Midland-road, Swadlincote, upon receipt of a deposit of £2 2s., such sum being refunded upon receipt of a bona-fide Tender not subsequently withdrawn.

Tenders, in plain sealed envelopes, bearing no indication of the senders, but endorsed "Tender for Public Conveniences and Alterations to Town Hall," should be delivered to the office of the undersigned not later than the 20th OCTOBER, 1950.

The Council do not bind themselves to accept the lowest or any Tender.

J. SANDIFORD,
Clerk of the Council.

Clerk's Office,
Swadlincote.

COUNTY COUNCIL OF THE
WEST RIDING OF YORKSHIRE.

TENDERS are invited for the ERECTION of the following SCHOOLS:—

1. Rossington Primary.
2. Conisbrough Morley Place Primary.
3. Elland Primary.

And EXTENSIONS to the following:—

5. Castleford Whitwood Mining and Technical Institute.
6. Dinnington Mining and Technical Institute.

Specifications, with Quantities, may be obtained on application to the County Architect, Bishopgarth, Westfield-road, Wakefield, not later than the 19th October, 1950, on payment of a deposit of £2 2s. in each case, which will be returned on receipt of a bona-fide Tender. Cheques must be made payable to the "West Riding Treasurer" and crossed "& Co."

Plans are deposited at the office of the County Architect and at the following places, and will be available for inspection during school or office hours:—

1. Rossington Modern School.
2. Conisbrough Modern School.
3. Elland Grammar School.
5. Castleford Whitwood Mining and Technical Institute.
6. Dinnington Mining and Technical Institute.

The Contracts will be under the provisions of the R.I.B.A. Conditions and Form of Agreement.

Sealed Tenders must be addressed to me, the undersigned, and received at Room 3, County Hall, Wakefield, not later than 10 a.m. on MONDAY, 6th NOVEMBER, 1950. No Tender will be received except in a plain, sealed envelope, which must bear the word "Tender," followed by a description of the work and the name of the school. The envelope containing the Tender must not bear any name or mark indicating the sender. No Tender delivered later than the time appointed will be opened. The priced Bill of Quantities should be sent in a separate envelope addressed to the County Architect, Bishopgarth, Westfield-road, Wakefield, endorsed "Bill of Quantities," followed by the name of the school and a description of the work, and should bear the name and address of the tenderer; such an envelope containing a priced Bill of Quantities will only be opened in the event of the corresponding Tender being considered for acceptance. Every Bill of Quantities, other than that of the successful tenderer, will be returned. Envelopes will be provided for the use of tenderers in submitting tenders and Bills of Quantities.

BERNARD KENYON,
Clerk of the County Council.

County Hall,
Wakefield.
September, 1950.

BOROUGH OF BARNES.

INTERNAL DECORATIONS TO COUNCIL HOUSING.

TENDERS are invited for:—

INTERNAL DECORATION.—CHERTSEY COURT.—Contract No. 5, comprising 26 Flats.

INTERNAL DECORATION. — ASHLEIGH HOUSE.—Comprising 24 Flats.

INTERNAL DECORATION.—AVONDALE HOUSE and RIPLEY HOUSE.—Comprising 25 Flats.

Specifications and Forms of Tender for each contract may be obtained from the undersigned, and should be returned not later than FRIDAY, 20th OCTOBER, 1950, endorsed "Decorations—Council Housing."

The Council do not bind themselves to accept the lowest or any Tender.

W. R. SHEPHERD, A.M.I.C.E., F.R.I.C.S.,
Borough Engineer and Surveyor.

Municipal Offices,
Sheen-lane,
S.W.14.
September, 1950.

HARROW URBAN
DISTRICT COUNCIL.

ERECTION OF TWELVE DWELLINGS ON THE ELSTREE HILL ESTATE, ELSTREE.

TENDERS are invited for the ERECTION of the undermentioned dwellings at Coates-road on the existing Elstree Hill Council Housing Estate.

EIGHT TWO-BEDROOM FLATS IN TWO BLOCKS OF FOUR (Type "J").
FOUR THREE-BEDROOM HOUSES IN TWO PAIRS (Type C/2).

Plans will be available for inspection at, and Bills of Quantities and Form of Tender may be obtained from the office of the Engineer and Surveyor, Council Offices, Uxbridge-road, Stanmore on or after MONDAY 2nd OCTOBER, 1950, upon payment of a deposit of £2 2s. returnable where bona-fide Tenders reach the Council within the time stated.

Tenders on the prescribed form, together with sealed priced Bills of Quantities, which will be opened in the case of the lowest Tenders only, are to be enclosed in plain sealed envelopes bearing no indication or mark of the sender, and endorsed "Tender for Twelve Dwellings, Elstree Hill Estate," and delivered at the office of the undersigned not later than 10 A.M. on FRIDAY, 13th OCTOBER, 1950.

The Council does not bind itself to accept the lowest or any Tender.

H. WELLS.
Clerk of the Council.

Council Offices,
Harrow Weald Lodge,
Harrow.

CITY OF PLYMOUTH.

TENDERS are invited as follows:—

(a) From Building Contractors for the erection of seven Shops, seven Maisonettes, 24 Houses, four Workshops and 14 Garages at Ernesettle, Plymouth.

(b) From Heating Engineers for the installation of Heating and Hot-water Supply Systems at the proposed Primary School at Barne Barton, St. Budeaux, Plymouth.

(c) From Registered Electrical Contractors for the Electrical Installation at the proposed Primary School at Barne Barton, St. Budeaux, Plymouth.

Applications to tender should be made to the City Architect, Seymour-road, Plymouth, not later than the 4th OCTOBER, 1950, accompanied by a cheque for £3 3s. (made payable to the Plymouth Corporation) for each section.

Deposits will be refunded on receipt of a bona-fide tender not subsequently withdrawn. The necessary documents will be forwarded as soon as they are ready.

The Council does not bind itself to accept the lowest or any Tender.

E. G. CATCHPOLE, A.R.I.B.A.,
City Architect.

Plymouth.

STAFFORDSHIRE
COUNTY COUNCIL.

TO BUILDERS AND CONTRACTORS.

The STAFFORDSHIRE COUNTY COUNCIL propose to enter into a Contract and to receive TENDERS for IMPROVEMENTS to OFFICE ACCOMMODATION at ROWLEY REGIS, CRADLEY HEATH COUNTY SECONDARY MODERN SCHOOL.

Bills of Quantities can be obtained from Mr. A. C. H. Stillman, Architect and Surveyor, County Education Committee, Green Hall, Lichfield-road, Stafford, to whom application should be made not later than 7th OCTOBER, 1950. The application should be accompanied by a deposit of £2 2s., which will be returned on receipt of a bona-fide Tender not subsequently withdrawn.

The person whose Tender is accepted will be required to enter into a contract to be prepared by the Clerk of the County Council.

Neither the lowest nor any Tender will necessarily be accepted.

T. H. EVANS,
Clerk of the County Council.

Stafford.
21st September, 1950.

COUNTY BOROUGH OF
WARRINGTON.

TO BUILDERS AND CONTRACTORS.

The HOUSING COMMITTEE of the Council of the County Borough of Warrington is prepared to receive TENDERS for the ERECTION of SIX HOUSES and LOCK-UP SHOPS on the DALLAM FARM ESTATE.

Drawings, Specifications, etc., may be seen, and Forms of Tender, Bills of Quantities and all further information obtained at the office of the Borough Surveyor, Town Hall, on and after Monday, the 25th September, 1950, at which place Tenders must be delivered before 9 o'clock a.m. on SATURDAY, the 21st day of OCTOBER, 1950.

A deposit of £2 2s. (cheques to be made payable to the Borough Treasurer) will be required for the Tender documents, which will be returned on the receipt of a bona-fide Tender and the return of all documents.

The lowest or any Tender not necessarily accepted.

J. Y. HUGHES, M.I.C.E.,
Borough Engineer and Surveyor.

Borough Engineer
and Surveyor's Office.
21st September, 1950.

STAFFORDSHIRE
COUNTY COUNCIL.

TO BUILDERS AND CONTRACTORS.

The STAFFORDSHIRE COUNTY COUNCIL propose to enter into a Contract and to receive TENDERS for PLASTERING to CERTAIN ROOMS in the NEW COUNTY TECHNICAL COLLEGE, STAFFORD.

Bills of Quantities can be obtained from Mr. A. C. H. Stillman, Architect and Surveyor, County Education Committee, Green Hall, Lichfield-road, Stafford, to whom application should be made not later than the 7th OCTOBER, 1950. The application should be accompanied by a deposit of £2 2s., which will be returned on receipt of a bona-fide Tender not subsequently withdrawn.

The person whose Tender is accepted will be required to enter into a contract to be prepared by the Clerk of the County Council.

Neither the lowest nor any Tender will necessarily be accepted.

T. H. EVANS,
Clerk of the County Council.

Stafford.
21st September, 1950.

COUNTY BOROUGH OF
BOOTLE.

BOROUGH SURVEYOR'S DEPARTMENT.

CENTRAL FIRE STATION, STRAND-ROAD, BOOTLE.

RECONSTRUCTION OF CHIEF OFFICER'S HOUSE TO PROVIDE ADDITIONAL ACCOMMODATION FOR FIREMEN AND FIRE APPLIANCES AND REPAIR OF WAR DAMAGE.

TENDERS are invited for the ABOVE WORKS.

Contractors wishing to tender should send their name and address to the Borough Surveyor, Town Hall, Bootle, Lancashire, enclosing a deposit of Two Guineas (£2 2s.), which will be returned on receipt of either a bona-fide Tender or the return of the documents.

Latest time for receipt of Tenders: 10 a.m. on WEDNESDAY, 18th OCTOBER, 1950.

By Order.

HAROLD PARTINGTON,
Town Clerk.

Town Hall,
Bootle, Lancs.
29th September, 1950.

SAINT IVES RURAL
DISTRICT COUNCIL.

TENDERS FOR HOUSES.

TENDERS are invited for the ERECTION of SIX HOUSES at BURY, comprising one pair and one block of four, with drains, paths and fences, together with 100 yds. of tarmacadam roadway 16 ft. wide, 600 ft. 3-in. asbestos water main, and 450 ft. 6-in. and 9-in. sewers with manholes and septic tank.

Bills of Quantities, etc., can be obtained on the 4th October upon application to the Council's Architects, Messrs. Lea, Milner, Doe & Wardley, of 4, Market Hill, Huntingdon, upon a deposit of £2 2s. by cheque, payable to the Council, which will be refunded upon receipt of a bona-fide Tender.

Sealed Tenders, on the form and in the envelope provided, marked "Housing Tender," must be delivered to me not later than 19th October, 1950.

The Council does not bind itself to accept the lowest or any other Tender, and acceptance is subject to the approval of the Ministry of Health.

E. A. N. JONES,
Clerk of the Council.

Council Offices,
Priory-road,
Saint Ives,
Hunts.
20th September, 1950.

METROPOLITAN
BOROUGH OF WANDSWORTH.

RECONSTRUCTION OF SEWER.

TENDERS are invited for RECONSTRUCTION of approxiately 220 lineal yards of SEWER at LAPPENT-AVENUE, PUTNEY, comprising the REPLACEMENT of 12-in. diameter STONEWARE PIPES by 30-in diameter PRECAST CONCRETE PIPES, including the reconstruction of existing manholes and the construction of new manholes.

Drawings may be inspected at the Borough Engineer and Surveyor's Office, Municipal Buildings, Wandsworth, S.W.18, during normal office hours.

Copies of the necessary documents may be obtained from the Borough Engineer and Surveyor upon payment of a deposit of £2 2s., which will be refunded upon receipt of a bona-fide Tender not subsequently withdrawn, together with all relevant documents.

Tenders, sealed in the envelopes provided, should reach the undersigned not later than noon WEDNESDAY, the 25th OCTOBER, 1950.

The Council does not bind itself to accept the lowest or any Tender.

R. H. JERMAN,
Town Clerk.

Municipal Buildings,
Wandsworth, S.W.18.
22nd September, 1950.

URBAN DISTRICT
COUNCIL OF EPPING.

PERMANENT HOUSING.

BEACONFIELD ESTATE.

TENDERS are invited for the ERECTION of FOUR PAIRS FLATTED HOUSES and THREE PAIRS of THREE-BEDROOM HOUSES on a site at BEACONFIELD ESTATE, EPPING.

Bills of Quantities and Form of Tender (for which application should be made on or before the 20th October, 1950) may be obtained on application to the undersigned, accompanied by a deposit of £2 2s., which will be refunded on receipt of a bona-fide Tender not subsequently withdrawn, and the return of all documents.

Plans, drawings and conditions of contract may be inspected at the office of the Surveyor, 91, High-street, Epping.

Tenders, in plain, sealed envelopes, endorsed "Tender for Flatted and Three-bedroom Houses," bearing no name or mark indicating the sender, must be delivered to me not later than 12 noon on TUESDAY, 14th NOVEMBER, 1950.

The Council do not bind themselves to accept the lowest or any Tender.

B. HISCOTT,
Clerk of the Council.

Council Offices,
91, High-street,
Epping,
Essex.
22nd September, 1950.

STAFFORDSHIRE COUNTY
COUNCIL.

TO BUILDERS AND CONTRACTORS.

The STAFFORDSHIRE COUNTY COUNCIL propose to enter into a Contract and to receive TENDERS for the ERECTION of a COUNTY PRIMARY SCHOOL in Sectional Timber Construction at OCKER HILL, TIPTON.

Bills of Quantities can be obtained from Mr. A. C. H. Stillman, Architect and Surveyor, County Education Committee, Green Hall, Lichfield-road, Stafford, to whom application should be made not later than 7th OCTOBER, 1950. The application should be accompanied by a deposit of £2 2s., which will be returned on receipt of a bona-fide Tender not subsequently withdrawn.

The person whose Tender is accepted will be required to enter into a contract to be prepared by the Clerk of the County Council.

Neither the lowest nor any Tender will necessarily be accepted.

T. H. EVANS,
Clerk of the County Council.

Stafford.
21st September, 1950.

RURAL DISTRICT
COUNCIL OF GLOUCESTER.

CONVERSION OF HOSTEL BUILDINGS INTO FLATS.

TENDERS are invited from approved builders for the ALTERATIONS, REPAIRS and REDECORATIONS in the CONVERSION into FLATS of BLOCKS NOS. 6 to 15, inclusive, at BROCKWORTH HOSTEL.

Drawings and details may be inspected at, and Forms of Tender and bills of quantities obtained from, the office of the Council's Architects, Messrs. Dancey & Meredith, Bleak House, Station-road, Gloucester, not later than 10 a.m., on the 6th October, 1950, upon payment of a deposit of £2 2s., which will be refunded upon receipt of a bona-fide Tender.

Sealed Tenders, endorsed "Tender for Brockworth Flats," must be delivered to the undersigned not later than 10 a.m. on the 27th OCTOBER, 1950.

W. J. KNIGHT,
Clerk to the Council.

Berkeley Chambers
Gloucester.
21st September, 1950.

STAFFORDSHIRE COUNTY
COUNCIL.

TO BUILDERS AND CONTRACTORS.

The STAFFORDSHIRE COUNTY COUNCIL propose to enter into a Contract and to receive TENDERS for ALTERATIONS and ADAPTATIONS to RED GABLES, UTTOXETER, to provide boarding accommodation for UTTOXETER GIRLS' HIGH SCHOOL.

Bills of Quantities can be obtained from Mr. A. C. H. Stillman, Architect and Surveyor, County Education Committee, Green Hall, Lichfield-road, Stafford, to whom application should be made not later than 7th OCTOBER, 1950. The application should be accompanied by a deposit of £2 2s., which will be returned on receipt of a bona-fide Tender not subsequently withdrawn.

The person whose Tender is accepted will be required to enter into a contract to be prepared by the Clerk of the County Council.

Neither the lowest nor any Tender will necessarily be accepted.

T. H. EVANS,
Clerk of the County Council.

Stafford.
21st September, 1950.

COUNTY BOROUGH OF BOURNEMOUTH.

WATCH COMMITTEE.

POLICE HOUSING.

TO BUILDING CONTRACTORS.

TENDERS are invited for the ERECTION of ONE HOUSE, junction of LEYBOURNE-AVENUE and HOXLEY-ROAD, NORTHBOURNE, Type "A" South Aspect House, without office.

Bills of Quantities and Form of Tender may be obtained from the office of the Borough Architect (Room 98) on and after Monday, 2nd October, 1950, on payment of £2 2s. (Two Guineas) deposit, which amount will be refunded on the receipt of a bona-fide Tender not subsequently withdrawn and the return of all documents supplied.

Drawings may be inspected at the office of the Borough Architect (Room 40) during normal office hourse.

Sealed Tenders, in the official envelope supplied, endorsed "Police Housing," but bearing no name or mark indicating the sender, are to be received by the undersigned not later than FRIDAY, 27th OCTOBER, 1950.

The Council does not bind itself to accept the lowest or any Tender.

A. LINDSAY CLEGG,
Town Clerk.

CITY OF CARDIFF.

ERECTION OF INFANTS' SCHOOL, SPLOTT.

TENDERS are invited for the ERECTION of the above SCHOOL.

Application for Bills of Quantities should be made to the City Surveyor, City Hall, Cardiff, together with a deposit of £2 2s.

Tenders, in plain, sealed envelope, endorsed "Tender for Moorland-road Infants' School," to be delivered to the undersigned not later than SATURDAY, the 14th OCTOBER, 1950.

S TAPPER-JONES,
Town Clerk.

City Hall,
Cardiff.
September, 1950.

BOROUGH OF LUTON.

PROPOSED SEWAGE WORKS MANAGER'S HOUSE.

TENDERS are invited for the ERECTION and COMPLETION of a SEWAGE WORKS MANAGER'S HOUSE on the FARLEY HILL HOUSING ESTATE.

Copies of the Bills of Quantities and Form of Tender may be obtained from the office of the Borough Engineer, Town Hall, Luton, on payment of a deposit of £2 2s., which will be returned following the receipt of a bona-fide Tender which is not subsequently withdrawn. Cheques must be made payable to "Luton Corporation." The Drawings and General Conditions of Contract may be inspected at the Borough Engineer's Office. Tenders, enclosed in the official envelope provided, must reach the undersigned not later than noon on MONDAY, the 16th OCTOBER, 1950.

The Corporation do not bind themselves to accept the lowest or any Tender.

W. H. ROBINSON,
Town Clerk.

Town Hall,
Luton.
2nd September, 1950.

NEWTOWN AND LLANIDLOES RURAL DISTRICT COUNCIL.

EIGHT TRADITIONAL-TYPE HOUSES AT LLANGURIG, NEAR LLANIDLOES, MONT.

Builders and Contractors are invited to TENDER for the ERECTION of EIGHT PERMANENT TRADITIONAL - TYPE HOUSES at LLANGURIG, near LLANIDLOES, MONTGOMERYSHIRE, in accordance with the drawings and specification prepared by Mr. J. Brian Cooper, F.R.I.B.A., Coleridge Chambers, 177, Corporation-street, Birmingham, 4, and Bills of Quantities by Mr. Walter B. Bond, F.R.I.C.S., Colmore Chambers, 3, Newhall-street, Birmingham, 3.

The Bills of Quantities and Form of Tender may be obtained from the Quantity Surveyor on payment of a deposit of Three Guineas, and applications must be received not later than 4th OCTOBER, 1950. The deposit sum will be refunded upon the receipt of a bona-fide Tender and/or the return of all documents.

The drawings may be seen at the Architect's office or at the offices of the Council.

The Council do not undertake to accept the lowest or any Tender, and the acceptance of any Tender is subject to the sanction of the Welsh Board of Health.

J. T. C. GITTINS,
Clerk of the Council.

Town Hall,
Newtown, Mont.
22nd September, 1950.

COUNTY OF CORNWALL.

PENCALENICK SPECIAL SCHOOL, TRURO.

TO BUILDERS

TENDERS are invited from Contractors for ADAPTATIONS to PENCALENICK HOUSE, near TRURO, for CONVERSION into a SPECIAL SCHOOL for EDUCATIONALLY SUB-NORMAL CHILDREN.

Applications for Combined Bill of Quantities and Specification and Form of Tender should be made to Mr. Sydney Gregson, F.R.I.B.A., County Architect, County Hall, Truro, not later than MONDAY, the 9th OCTOBER, 1950. A deposit of £3 3s. must be forwarded with the application, which will be returned on receipt of a bona-fide Tender.

Tenders in a plain sealed envelope, clearly endorsed "Tender for Pencalenick Special School," but not bearing any name or mark indicating the sender, must be delivered to the Clerk of the County Council, Room 23, County Hall, Truro, on or before SATURDAY, the 4th NOVEMBER, 1950.

The County Council do not bind themselves to accept the lowest or any Tender.

E. T VERGER,
Clerk of the County Council.

County Hall,
Truro.
22nd September, 1950.

BOROUGH OF WEYMOUTH AND MELCOMBE REGIS.

TENDERS are invited for the ERECTION of 78 HOUSES, arranged in Pairs and Blocks of Four, on the DOWNCLOSE HOUSING ESTATE, WEYMOUTH. (Contracts for a further 200 similar houses, in the same area, will shortly be advertised.)

Form of Tender, Conditions of Contract, Bills of Quantities and all particulars can be obtained from, and the Plans seen at, the office of the Borough Engineer and Surveyor, 6, Pulteney Buildings, Weymouth, on payment of the sum of Two Guineas, which will be returned on the receipt of a bona-fide Tender.

Tenders, enclosed in plain, sealed envelopes, and endorsed "Seventy-eight Houses, Downclose 2A," to be delivered to the undersigned not later than 12 o'clock noon on MONDAY, 23rd OCTOBER, 1950.

PERCY SMALLMAN,
Town Clerk.

Municipal Offices,
Weymouth.
September, 1950.

TENDERS are invited for the REMOVAL and PURCHASE from the SITE at LATHOM HOUSE, near ORMSKIRK, of a PARTLY INSTALLED HEATING SYSTEM not now required, comprising one 4-Section Robin Hood Boiler, complete with supply tank, 12 Radiators of various sizes, as new, 137 ft. of 2-in., 36 ft. of 1½-in., and 56 ft. of 1¼-in Steel Piping in various lengths, and a small quantity of miscellaneous valves and fittings. The installation is on view between 7.30 a.m. and 5 p.m. daily. The purchaser will be required to make good any damage occasioned by the removal of the equipment.

Tenders to be submitted to the County Agricultural Officer, Lancashire County Agricultural Executive Committee, Government Buildings, Cop-lane, Penwortham, near Preston, within 14 days of the appearance of this advertisement. Envelopes should be marked "Tender" in the top left-hand corner.

URBAN DISTRICT OF RUISLIP-NORTHWOOD.

WILTSHIRE-LANE HOUSING SCHEME —CONTRACT NO. 6.

TENDERS are invited from well-established Building Contractors for the ERECTION of a BLOCK of 16 FLATS and appurtenant works at SALISBURY-ROAD, EASTCOTE.

The General Conditions of Contract, Specification and Drawings may be inspected and a copy of the Form of Tender and Bills of Quantities obtained from the Engineer and Surveyor to the Council, at the Council Offices, Oaklands Gate, Northwood, on or after the 2nd OCTOBER, 1950, on payment of £2 2s., which will be returned upon receipt of a bona-fide Tender.

Sealed Tenders, in plain envelopes endorsed "Tender—Wiltshire-lane Contract No. 6," must reach the undersigned not later than noon on MONDAY, 16th OCTOBER, 1950.

The Council does not bind itself to accept the lowest or any Tender.

B. BARKER,
Clerk of the Council.

Council Offices,
Northwood,
Middlesex.
25th September, 1950.

URBAN DISTRICT COUNCIL OF BILLERICAY.

TENDER FOR HOUSES.

TENDERS are invited for the ERECTION of the following HOUSES:

CONTRACT NO. 12—Billericay Permanent Housing Site: SIX HOUSES in THREE PAIRS, Type G/5, Two-Bedroom/Parlour Type, and FOUR HOUSES in TWO PAIRS, Type E/4, Two-Bedroom Houses.

Plans may be inspected and Bills of Quantities, Forms of Tender and Conditions of Contract may be obtained on application to the Surveyor to the Council, with payment of a deposit of Two Guineas, which will be returned on receipt of a bona-fide Tender not subsequently withdrawn and the return of all documents.

Tenders must be submitted in the envelopes provided, sealed and delivered, to the undersigned not later than 10 a.m. on MONDAY, 23rd OCTOBER, 1950.

The Council do not bind themselves to accept the lowest or any Tender.

A. HATT,
Clerk of the Council.

Council Offices,
Billericay.
22nd September, 1950.

CITY OF PORTSMOUTH.

MILTON TRAINING COLLEGE—REFECTORY.

TENDERS, based on Bill of Quantities, are invited for the CONSTRUCTION of the ABOVE.

Contractors desirous of tendering should apply to the City Architect, Municipal Offices, 1, Western-parade, Portsmouth, not later than FRIDAY, 13th OCTOBER, 1950, enclosing a deposit of One Guinea, which will be refunded on receipt of a bona-fide Tender and/or the return of all the documents.

The Council do not bind themselves to accept the lowest or any Tender.

V. BLANCHARD,
Town Clerk.

City Council Chambers,
1, Clarence-parade,
Portsmouth.
21st September, 1950.

CITY OF PORTSMOUTH.

PALMERSTON-ROAD, SOUTHSEA

TENDERS, based on Bill of Quantities, are invited for the ERECTION of SHOPS, SHOWROOMS and MAISONETTES (Section No. 2).

Contractors desirous of tendering should apply to the City Architect, Municipal Offices, 1, Western-parade, Portsmouth, not later than THURSDAY, 12th OCTOBER, 1950, enclosing a deposit of Three Guineas, which will be refunded on receipt of a bona-fide Tender and/or the return of all the documents.

The Council do not bind themselves to accept the lowest or any Tender.

V. BLANCHARD,
Town Clerk.

City Council Chambers,
1, Clarence-parade,
Portsmouth.
21st September, 1950.

COUNTY COUNCIL OF ESSEX.

ERECTION OF THREE NEW SCHOOLS.

(a) SECONDARY SCHOOL FOR GIRLS, DEBDEN L.C.C. ESTATE (SITES 3 & 4).

(b) LOUGHTON VALLEY HILL PRIMARY SCHOOL.

(c) BOSWORTH COUNTY PRIMARY SCHOOL, HAROLD HILL L.C.C. ESTATE (SITE NO. 2).

The EDUCATION COMMITTEE of the Essex County Council invite Building Contractors possessing a substantial organisation and who are willing to TENDER for the ERECTION of ONE or MORE of the above SCHOOLS to submit their names and give full details.

The works will consist of:

(a) Steel-framed construction, varying in height from one to three storeys. Approximate contract value is £134,000.

(b) Partly steel-framed construction, one and two storeys in height. Approximate contract value £89,000.

(c) Partly steel-framed construction one and two storeys in height. Approximate contract value is £132,000.

From the names submitted panels of contractors will be chosen who will subsequently be provided with full Bills of Quantities.

The Architects for these schools are:

(a) Messrs. Tooley & Foster, Chartered Architects, Midland Bank Chambers, Buckhurst Hill.

(b) Messrs. Westwood, Sons & Harrison, Chartered Architects, 46, Baker-street, London, W.1.

(c) Messrs. Hubert & H. Martin Lidbetter, Chartered Architects, 2, Verulam Buildings, Gray's Inn, London, W.C.1.

Contractors' applications should be sent to reach the undersigned not later than TUESDAY 10th OCTOBER, 1950.

H. CONOLLY, F.R.I.B.A.,
County Architect.

County Hall,
Chelmsford.
September, 1950.

COUNTY BOROUGH OF SWANSEA.

EDUCATION COMMITTEE.

TO BUILDERS.

TENDERS are invited for the ERECTION of a NEW PRIMARY SCHOOL at MAYHILL, SWANSEA.

Drawings and General Conditions of Contract can be inspected at the office of H. T. Wykes, Esq., F.R.I.B.A., A.M.T.P.I., M.R.San.I., Borough Architect, The Guildhall, Swansea.

Builders desirous of tendering should make application to the Borough Architect, together with a deposit of Five Pounds (payable to the Swansea Corporation).

Bills of Quantities (when ready) will be issued only to those who so apply. The deposit will be refunded after delivery of a bona-fide Tender (which is not subsequently withdrawn) and the return of all documents.

Tenders must be delivered to the Town Clerk at the Guildhall, Swansea, not later than 12 noon on MONDAY, 6th NOVEMBER, 1950, and in accordance with the directions issued with the Quantities. The Contractor whose Tender is accepted will be required to take out a Contract Guarantee Bond or deposit other approved security for the complete performance of the Contract.

No guarantee is given that the lowest or any other Tender will be accepted.

T. B. BOWEN,
Town Clerk.

The Guildhall,
Swansea.
21st September, 1950.

HAMPSHIRE POLICE AUTHORITY.

TO BUILDERS.

TENDERS for the ERECTION of ONE PAIR of POLICE HOUSES at HARTLEY-ROW POLICE STATION and TWO PAIRS of POLICE HOUSES at WHITEHILL POLICE STATION are shortly to be invited.

Builders wishing to tender in either of these two cases should apply to the County Architect, The Castle, Winchester, not later than THURSDAY, 12th OCTOBER, 1950.

Bills of Quantities and other documents will be forwarded to applicants as soon as possible after that date.

A deposit of £1 1s., payable by cheque to the Treasurer of the Hampshire Police Fund, will be required in each case, and this will be refunded on receipt of a bona-fide Tender or the return of the documents.

The Authority does not bind itself to accept the lowest or any Tender.

G. A. WHEATLEY,
Clerk of the Police Authority.

The Castle,
Winchester.
20th September, 1950.

BOROUGH OF HESTON AND ISLEWORTH.

HOUNSLOW WEST HOUSING ESTATE.

The BOROUGH COUNCIL invite TENDERS for the ERECTION of 14 DWELLINGS in ONE THREE-STOREY BLOCK and 12 AGED PERSONS' BUNGALOWS, on the HOUNSLOW WEST HOUSING ESTATE.

Firms wishing to tender are asked to make application to the Borough Engineer and Surveyor, Mr. O. P. F. Hilton, A.M.I.C.E., 88, Hampton-road, Hounslow, accompanied by a deposit of £3 3s. (Three Guineas), which will be refunded on receipt of a bona-fide Tender. (The relevant documents and Form of Tender will be forwarded on or about 16th October, 1950.)

Tenders, in a plain sealed envelope, are to be delivered to the undersigned endorsed "26 Dwellings—Hounslow West," not later than 10 a.m. on TUESDAY, 31st OCTOBER, 1950. Tenders, which do not comply with these conditions will not be considered.

The Council do not bind themselves to accept the lowest or any Tender.

HAROLD SWANN,
Town Clerk.

Council House,
Hounslow,
Middlesex.

THE MERIONETH EDUCATION COMMITTEE

invite TENDERS for the ERECTION of a THREE-CLASS PRIMARY SCHOOL at DINAS MAWDDWY.

The Bills of Quantities may be obtained on application to the undersigned on payment of a deposit of £3 3s., which will be returned on receipt of a bona-fide Tender.

Working Drawings may be inspected at the office of the undersigned during normal working hours.

Tenders must be enclosed in a sealed envelope, which must not bear any name or mark indicating the sender, and endorsed "Tender for Dinas Mawddwy New School," and must be delivered at the office of the Director of Education, County Offices, Dolgelley, not later than SATURDAY, the 28th OCTOBER, 1950.

The Committee do not bind themselves to accept the lowest or any Tender.

NORMAN L. JONES, L.R.I.B.A.,
County Architect.

County Offices,
Dolgelley.
25th September, 1950.

PUBLIC APPOINTMENTS

BOROUGH OF WOOD GREEN.

ERECTION OF SIX FLATS—MARLBOROUGH-ROAD.

The COUNCIL invites TENDERS for the ERECTION of SIX FLATS (in one Block), with reinforced concrete floors and roofs, at MARLBOROUGH-ROAD, N.22.

Forms of Tender and Bills of Quantities may be obtained from the Borough Engineer and Surveyor, Town Hall, Wood Green, N.22, upon payment to the Borough Treasurer of a deposit of Two Guineas, which will be returned if a bona-fide Tender is submitted and not withdrawn.

Plans and Conditions of Contract may be inspected at the office of the Borough Engineer and Surveyor.

Tenders, in plain sealed envelopes bearing the words "Tender for Marlborough-road Flats," but no name or mark indicating the sender, must be delivered to the undersigned not later than 12 noon, MONDAY, the 16th OCTOBER, 1950.

The Council do not bind themselves to accept the lowest or any Tender.

H. CHUBB,
Town Clerk.

Town Hall,
Wood Green, N.22.
25th September, 1950.

COUNTY OF CORNWALL.

FALMOUTH TECHNICAL INSTITUTE.

TO BUILDERS.

TENDERS are invited from Contractors for PART I CONTRACT at FALMOUTH TECHNICAL INSTITUTE, consisting of the ERECTION of NEW WORKSHOPS, etc., in KILLIGREW-ROAD, FALMOUTH.

Applications for Combined Bill of Quantities and Specification and Form of Tender should be made to Mr. Sydney Gregson, F.R.I.B.A., County Architect, County Hall, Truro, not later than MONDAY, the 9th OCTOBER, 1950. A deposit of £2 2s. must be forwarded with the application, which will be returned on receipt of a bona-fide Tender.

Tenders in a plain sealed envelope, clearly endorsed "Tender for Falmouth Technical Institute," but not bearing any name or mark indicating the sender, must be delivered to the Clerk of the County Council Room 23, County Hall, Truro. The approximate date for receipt of Tenders will be early in December, but the actual closing date will be notified when the documents are despatched.

The County Council do not bind themselves to accept the lowest or any Tender.

E. T. VERGER,
Clerk of the County Council.

County Hall,
Truro
22nd September, 1950.

BOROUGH OF DARTFORD.

ERECTION OF HOUSES AND FLATS—SCHEME 3.

TEMPLE HILL NEIGHBOURHOOD UNIT.

TENDERS are invited for the ERECTION of 24 SINGLE-PERSON FLATS and EIGHT HOUSES under one or two Contracts, as part of Scheme 3 on the Council's TEMPLE HILL ESTATE, DARTFORD.

CONTRACT 3E.—24 Single-person Flats in Two Blocks of Three-Storey Dwellings; CONTRACT 3D/3.—Eight Houses in Two Blocks of Four.

Form of Tender and Bills of Quantities may be obtained on application to the undersigned, upon payment of a deposit of £2 2s., which will be refunded on receipt of a bona-fide Tender and the return of all documents supplied. Plans may be inspected at the office of the Borough Surveyor, Barclays Bank Chambers, High-street, Dartford.

Tender/s, in plain sealed envelopes, endorsed "Tender for Dwellings, Scheme 3," but bearing no other mark or indication of the tenderer, must be delivered to me not later than 12 noon on MONDAY, the 23rd OCTOBER, 1950. Priced Bills of Quantities should be separately submitted in a sealed envelope, the tenderer's name being clearly shown. These will be returned unopened if not required.

The Form of Contract will be that of the Royal Institute of British Architects, as adapted, and the successful tenderer/s will be required to comply with the Standing Orders of the Council, copies of which can be seen at my office.

The Council do not bind themselves to accept the lowest or any Tender, and the accepted Tender/s will be subject to the approval of the Ministry of Health.

THOMAS ARMSTRONG,
Town Clerk.

Town Clerk's Office,
Dartford.
21st September, 1950.

LONDON COUNTY COUNCIL.

ARCHITECT'S DEPARTMENT.

Applications are invited for positions of ARCHITECT, Grade III (£550—£700) and TECHNICAL ASSISTANT (up to £580) for work on new housing, schools and other public buildings. The positions are superannuable. Candidates for Grade III positions should possess professional qualifications. Application forms from Architect (AR/P/S), The County Hall, Westminster Bridge, S.E.1, enclosing stamped addressed foolscap envelope. Canvassing disqualifies. (384)

CUMBERLAND COUNTY COUNCIL.

Applications are invited for the appointment of two BUILDING INSPECTORS on the permanent establishment of the County Architect's Department at a salary in accordance with A.P.T. Grade IV (£480 to £526 per annum).

One appointment is for the Whitehaven District, and the other for the Workington District, and the successful candidates will be required to live in or near these towns.

Applicants must have had practical experience of building, supervision of building work and maintenance of property, and should be able to prepare reports. Previous experience with a Local Authority is desirable. The persons appointed will be required to provide motor cars, and a car allowance will be payable for County Council duties, in accordance with the Council's scale.

Forms of Applications, together with further particulars and conditions of appointment, may be obtained from John H. Haughan, F.R.I.B.A., County Architect, 15, Portland-square, Carlisle not later than WEDNESDAY, 4th OCTOBER, 1950.

G. N. C. SWIFT,
Clerk of the County Council.

September, 1950.

METROPOLITAN BOROUGH OF HAMPSTEAD.

APPOINTMENT OF TECHNICAL OFFICER (MAINTENANCE).

Applications are invited for the permanent appointment of a TECHNICAL OFFICER (Maintenance) on the Housing Architect's Staff in the Borough Engineer's Department; Grade V of A.P.T. Division (£520—£570 per annum) plus London area weighting of £30 per annum.

Candidates for the appointment should have a good knowledge of all aspects of building work, be able to prepare specifications, estimates and reports for all maintenance works to requisitioned and Council dwellings and be able to supervise works in progress and certify final accounts, and should have ability to supervise assistant technical staff. Preference will be given to members of a professional Institution.

The appointment is subject to one month's notice on either side and to the provisions of the Local Government Superannuation Act, 1937; the successful applicant will be required to pass a medical examination.

Applications giving details as follows:—(a) age, (b) qualifications (c) present and past appointments (d) particulars of training and experience, and accompanied by three recent testimonials must be delivered to me in a sealed envelope endorsed "Technical Officer (Maintenance)" not later than THURSDAY, 5th OCTOBER, 1950.

Applicants must disclose in writing whether they are, to their knowledge, related to any member or Senior Officer of the Council.

The Council are unable to provide housing accommodation.

Canvassing will disqualify.

P. H. HARROLD.
Town Clerk.

Town Hall,
Haverstock Hill, N.W.3.
September, 1950.

IMPERIAL WAR GRAVES COMMISSION.

QUANTITY SURVEYORS.

Applications are invited from suitably qualified candidates for posts of ASSISTANT QUANTITY SURVEYORS in Rome for a period of approximately 18 months. Candidates should be F.R.I.C.S. or A.R.I.C.S. (Quantities) and should have professional experience on structures of important architectural value. Salary within scale £475 × £25—£750 per annum, entry at £475 per annum at age 25 (slightly less below that age) and up to £600 per annum at age 30 or over, plus Foreign Service Allowance, at present at the rate of £650 per annum for a married man accompanied by his wife, £500 per annum for a married man unaccompanied by his wife and £315 per annum for a single man. In addition actual rent is paid within certain maximum limits.

Applications to be addressed to Appointments Officer, Imperial War Graves Commission, Wooburn House, Wooburn Green, High Wycombe, Bucks.

BOROUGH OF EALING.

BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

APPOINTMENT OF ARCHITECTURAL ASSISTANTS.

Applications are invited for the permanent appointment of TWO ARCHITECTURAL ASSISTANTS, in accordance with Grade VI of the A.P.T. Division of the National Joint Council's Scales, at a salary commencing at £595 per annum and rising, by annual increments, to £660 per annum, plus £30 London weighting.

Applicants must either be Associate Members of the Royal Institute of British Architects or possess a recognised equivalent qualification. Preference will be given to candidates with Municipal experience.

The Council is unable to provide housing accommodation for the successful candidate.

Forms of application, together with conditions of appointment, may be obtained from the Borough Engineer and Surveyor, Town Hall, Ealing, W.5, and must be returned to me not later than 2nd OCTOBER, 1950.

E. J. COPE-BROWN,
Town Clerk.

Town Hall,
Ealing, W.5.

LONDON COUNTY COUNCIL.

Applications are invited for positions of ARCHITECTURAL ASSISTANT (salaries up to £580 a year) in the Housing and Valuation Department. Commencing salaries will be determined according to qualifications and experience. Engagement will be subject to the Local Government Superannuation Acts, and successful candidates will be eligible for consideration for appointment to the permanent staff on the occurrence of vacancies.

Successful candidates will be required to assist in the design, layout and preparation of working drawings for housing schemes (cottages and multi-storey flats) and will be employed in the Housing Architect's Division.

Forms of application may be obtained from the Director of Housing, The County Hall, Westminster Bridge, S.E.1 (stamped addressed envelope required and quote reference A.A.1.). Canvassing disqualifies. (816)

MINISTRY OF WORKS.

There are vacancies in the Chief Architect's Division for ARCHITECTURAL ASSISTANTS and LEADING ARCHITECTURAL ASSISTANTS with recognised training and fair experience. Successful candidates will be employed in London and elsewhere on a wide variety of Public Buildings, including Atomic energy and other Research Establishments, Telephone Exchanges and Housing.

Salary: Architectural Assistants £300—£525 per annum. Leading Architectural Assistants £500—£625 per annum. Starting pay will be assessed according to age, qualifications and experience. These rates are for London; a small deduction is made in the Provinces.

Although these are not established posts, some of them have long-term possibilities, and competitions are held periodically to fill established vacancies.

Apply in writing, stating age, nationality, full details of experience, and locality preferred, to Chief Architect, W.G.10/BC, Ministry of Works, Abell House, London, S.W.1, quoting reference W.G.10/BC.

COUNTY BOROUGH OF BARROW-IN-FURNESS.

BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

APPOINTMENT OF JUNIOR BUILDING INSPECTOR.

Applications are invited for the permanent appointment of JUNIOR BUILDING INSPECTOR.

The post is on Grade Misc. 1 (£315—£360 per annum). The commencing salary will be fixed within the limits indicated, according to the experience of the successful applicant.

Subject to satisfactory service the successful candidate will be transferred to Grade A.P.T. I (£390—£435 per annum) on securing the Building Inspector's Certificate of the Institution of Municipal Engineers.

Candidates should be competent building craftsmen or have had experience in a Building Inspector's Office. They should have a thorough knowledge of Building Construction and Drainage works, and preferably possess at least a National Certificate in Building.

Conditions of appointment and forms of application may be obtained from the Borough Engineer and Surveyor to whom completed applications must be returned not later than MONDAY, 9th OCTOBER, 1950.

LAWRENCE ALLEN,
Town Clerk.

BOROUGH OF MITCHAM.

BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited for the above appointment in the Borough Engineer and Surveyor's Department of the Corporation of Mitcham.

The appointment will be within Grades III or IV (A.P.T. Division) of the National Scale of Salaries, namely between £450 and £495 per annum or between £480 and £525 per annum, dependent upon the qualifications and experience of the candidate, plus London "weighting."

Particulars and the form in which applications are to be submitted may be obtained from the Borough Engineer and Surveyor, Town Hall, Mitcham, Surrey, to whom applications should be addressed, endorsed "Architectural Assistant." The latest date for the receipt of applications is 14th OCTOBER, 1950.

R. H. WHITE,
Town Clerk.

Town Hall,
Mitcham.
12th September, 1950.

CITY OF LEEDS.

CITY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments:

CHIEF CLERK OF WORKS—Salary Scale £685—£760 p.a.

Candidates must have had a wide experience in all branches of the building trade and should possess technical and administrative qualifications. The person appointed will be in charge of all Clerks of Works employed in the department.

ASSISTANT QUANTITY SURVEYOR—Salary Scale £450—£495 p.a.

ASSISTANT QUANTITY SURVEYOR—Salary Scale £390—£465 p.a.

ASSISTANT QUANTITY SURVEYOR—Salary Scale £375—£420 p.a.

ASSISTANT SURVEYORS—Salary Scale £450—£495 p.a.

Candidates should have had extensive experience in surveying and levelling of large sites and buildings, and Town Planning.

In each case the payment of salary increments will be subject to satisfactory service and will be granted normally with effect from the 1st April following the completion of six months' service.

The appointments are subject to the Local Government Superannuation Act, 1937, and the successful applicants will be required to pass a medical examination.

Applications, on forms to be obtained from the undersigned, accompanied by copies of not more than three recent testimonials (not returnable) must be received by me in the envelope supplied therefor, not later than 10 a.m. on FRIDAY, the 20th OCTOBER, 1950.

Canvassing in any form, either directly or indirectly, will be a disqualification.

R. A. H. LIVETT, A.R.I.N.A.,
City Architect.

Priestley House,
Quarry Hill,
Leeds, 9.
22nd September, 1950.
HG/MAF.

CITY OF PETERBOROUGH.

CITY ENGINEER'S AND SURVEYOR'S DEPARTMENT.

Applications are invited for the appointment on the Staff of the City Engineer and Surveyor of an ASSISTANT CLERK OF WORKS (TEMPORARY), within the Miscellaneous Division (Grade I) of the National Salary Scales, i.e., consolidated salary £315, rising by annual increments to £360.

Applicants must have a knowledge of all building trades, and must have had experience in the supervision of the erection of housing, etc.

The City Council have adopted the National Scheme of Conditions of Service, and the appointment is subject to the provisions of the Local Government Superannuation Act, 1937, and the successful applicant will be required to pass a medical examination.

Applications, stating age, qualifications and experience, accompanied by copies of not more than three recent testimonials and suitably endorsed, must be delivered to the undersigned not later than the 9th OCTOBER, 1950.

Housing accommodation is not immediately available, but the Council will, if necessary, assist so far as they are able the successful applicant to obtain accommodation, but it must be distinctly understood that the Council do not guarantee to find either a house or living accommodation.

Applicants must disclose whether they are related to any senior official or member of the Authority.

Canvassing, either directly or indirectly, will be deemed a disqualification.

C. PETER CLARKE,
Town Clerk.

Town Hall,
Peterborough.
22nd September, 1950.

BUCKS COUNTY COUNCIL.

The County Architect invites applications from qualified ASSISTANT ARCHITECTS who possess a keen and energetic enthusiasm for their profession. Candidates should preferably have been trained at a recognised School of Architecture. Salary Grade V (£520–£570 per annum).

Further particulars and form of application may be obtained from the County Architect, County Offices, Aylesbury, to whom they must be delivered by 9th OCTOBER, 1950.

BOROUGH OF ACTON.

ARCHITECTURAL ASSISTANT.

Applications are invited for this permanent appointment at a salary in accordance with Grades A.P.T. V/Va of the National Scale (£520—£610 per annum) plus London "Weighting." The commencing salary may be fixed within the Grades according to the qualifications and experience of the person appointed.

Applicants must be Registered Architects, experienced in the design, erection and maintenance of houses, flats and public buildings.

If necessary, housing accommodation will be made available to the person appointed.

An application form and a copy of the conditions of appointment may be obtained from the Borough Engineer, Town Hall, Acton, W.3, to whom applications must be delivered by 2nd OCTOBER, 1950.

Canvassing will disqualify.

H. C. LOCKYER,
Town Clerk.

Town Hall,
Acton, W.3.

BOROUGH OF SLOUGH.

Applications are invited for the permanent appointment of an ASSISTANT ARCHITECT, within Grade A.P.T. III of the National Scales, at a commencing salary of £450 per annum, rising, on satisfactory service, by annual increments of £15, to a maximum of £495 per annum.

Applicants must have passed the R.I.B.A. Intermediate Examination or its equivalent, and must give details of experience in housing, municipal building design and general building construction, and state age, marital state, qualifications, technical training, present and previous appointments, with dates, together with the names of two architects to whom reference can be made, and disclose whether, to their knowledge, they are related to any member or senior officer of the Council.

The appointment will be subject to (i) the provisions of the Local Government Superannuation Act, 1937; (ii) the National Scheme of Conditions of Service, (iii) the satisfactory passing of a medical examination by the successful applicant, and (iv) termination by one month's notice on either side.

Applications, in sealed envelopes, endorsed "Assistant Architect, Grade A.P.T. III," must reach the undersigned not later than noon on MONDAY, 9th OCTOBER, 1950.

The Borough Council is unable to assist the successful candidate with housing accommodation.

Canvassing, directly or indirectly, will disqualify.

NORMAN T. BERRY,
Town Clerk.

Town Hall,
Slough.
8th September, 1950.

STEVENAGE NEW TOWN.

ENGINEER'S DEPARTMENT.

ROADS AND SERVICES.

CLERK OF WORKS.

Applications are invited for the appointment of CLERK OF WORKS in connection with the construction of roads, concrete or bitumen surfaced, construction of sewers, water distribution mains, culverts, subways, etc. Concrete and earthworks will be subject to strict Specification and Laboratory control. Candidates should have had experience in some or all of these classes of work and be capable of levelling, setting-out, measuring work, keeping records and checking accounts. Experience of stabilised soil and in the field control of concrete and earthworks will be an advantage. The appointment carries a fixed salary with a maximum of £600.

Relationship to any member of the Corporation or staff shall be disclosed by the applicant. Housing accommodation for successful married applicants should be available early next year, but no promise or assurance can be given in this connection.

Candidates should apply by letter not later than 9th OCTOBER, 1950, giving age, qualifications, experience, present and previous appointments held, and the names of two persons to whom reference may be made. Applications to be addressed to the Chief Administrative Officer, Stevenage Development Corporation, Aston House, Nr. Stevenage, Herts.

CRANBROOK RURAL DISTRICT COUNCIL.

CLERK OF WORKS.

Applications are invited for the appointment of CLERK OF WORKS in connection with the Council's Housing Schemes (Grades II-III A.P.T.: £420–£495), the appointment being terminable by one month's notice on either side. An allowance of £130 per annum will be made for use of car, and housing accommodation will be made available if desired.

Previous Local Government experience is not essential; but applicants must have a sound practical knowledge of building construction in all trades, and experience in the construction of roads and sewers on housing estates will be an advantage.

Evidence of recent experience in measuring-up and keeping records will be required. Applicants should preferably have had early training as craftsmen, and have subsequently qualified with the Institute of Clerk of Works of Great Britain, or the equivalent.

Applications, stating age, qualifications and experience, and previous appointments with copy of a recent testimonial, giving the names and addresses of two referees, should be delivered to D. Smith, B.A., Dip.T.P., A.R.I.B.A., Architect, Council Offices, Hill House, Cranbrook, Kent, not later than 4th OCTOBER, 1950.

Canvassing will disqualify.

P. G. BANFIELD.
Clerk to the Council.

Council Offices,
Hill House,
Cranbrook, Kent.
13th September, 1950.

LONDON COUNTY COUNCIL.

ARCHITECT'S DEPARTMENT.

CLERKS OF WORKS FOR HOUSING DIVISION

CLERKS OF WORKS (salary £550) Required immediately for housing work in the Architect's Department. Candidates should have a wide experience in supervising large building works.

Application forms from Architect to the Council (AR/EK/HCW), County Hall, S.E.1, enclosing stamped addressed foolscap envelope. Canvassing disqualifies. (1206)

CITY OF PLYMOUTH.

CITY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments on the established staff, subject to the Conditions of Service of the National Joint Council for Local Authorities, Administrative, Professional, Technical and Clerical Services, the Local Government Superannuation Act, 1937, and one month's notice on either side for termination:

(a) ONE PRINCIPAL ASSISTANT ARCHITECT (Housing), Grade VIII (£685 to £760). Applicants for this appointment must be experienced in the design and construction of Municipal Housing and Flats, administration, and capable of supervising the staff of the Housing Section.

(b) SENIOR ASSISTANT ARCHITECTS—Grade VII (£635 to £710).

(c) SENIOR ASSISTANT ARCHITECTS—Grade VI (£595 to £660).

(d) ASSISTANT ARCHITECT—Grade III (£450 to £495).

(e) ASSISTANT ARCHITECT—Grade I (£390 to £435).

Candidates for appointments in (b), (c) and (d) should be experienced in the design and construction of schools and municipal housing.

(f) SENIOR QUANTITY SURVEYOR—Grade V (£520 to £570).

(g) QUANTITY SURVEYOR—Grade III (£450 to £495).

(h) QUANTITY SURVEYOR—Grade II (£420 to £465).

Candidates for appointments (a), (b) and (c) must be Registered Architects, and preference will be given to members of the R.I.B.A.

In the case of appointment (d), preference will be given to candidates who have passed the Intermediate Examination of the R.I.B.A.

For the appointment (f), preference will be given to candidates who are Corporate Members of the Royal Institution of Chartered Surveyors (Sub-Division III, Quantities), and for appointment (g) preference will be given to candidates who have passed the Intermediate Examination of the Royal Institution of Chartered Surveyors.

Successful candidates will be required to pass a medical examination.

Applications, on forms obtainable from the undersigned accompanied by copies of not more than three recent testimonials or names of persons to whom reference may be made, should be received at my office not later than 13th OCTOBER, 1950.

The Corporation may make housing accommodation available to the successful married candidates if required.

E. G. CATCHPOLE, A.R.I.B.A.,
City Architect.

Seymour-road,
Plymouth.

BOROUGH OF BURY ST. EDMUNDS

WATER IMPROVEMENT SCHEME.

APPOINTMENT OF RESIDENT ENGINEER.

Applications are invited for the post of RESIDENT ENGINEER for Supervising the construction of a 100,000-gallon reinforced concrete water tower with pumping station in the base. The salary will be £12 per week plus a reasonable subsistence allowance if circumstances warrant this.

Applicants must have had considerable experience in reinforced concrete work of a similar nature. Applications, stating age, full details of experience including last appointment, together with the names and addresses of two persons to whom reference may be made are to be submitted in sealed envelopes endorsed "Resident Engineer," to reach Mr. N. C. Goldsmith, M.B.E., M.I.Mun.E., Borough and Water Engineer, Borough Offices, Bury St. Edmunds, not later than Friday, 6th OCTOBER, 1950.

J. W. H. KNIGHT,
Town Clerk.

Borough Offices,
Bury St. Edmunds.

KENT COUNTY COUNCIL.

Applications are invited for the appointment in the Building Department, of an ASSISTANT ARCHITECT at a salary within A.P.T. Grades V(a)—VI (£550—£660).

Applicants, who must be members of the Royal Institute of British Architects, should for preference have completed a full-time course at a recognised School of Architecture, and be conversant with methods of research. In addition, they should have good experience in the design and supervision of both large and small building schemes, and be capable of taking charge of such schemes.

Previous experience with a Local Authority is not essential, but experience on school buildings will be an advantage.

The post is superannuable, and the successful candidate will be required to pass a medical examination.

Applications, on forms obtainable from the County Architect, Springfield, Maidstone, should be delivered to him not later than 14 days after the appearance of this advertisement.

W. L. PLATTS,
Clerk of the County Council.

County Hall,
Maidstone.
15th September, 1950.

BOROUGH OF TOTTENHAM.

BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited for the following established posts:

ARCHITECTURAL SECTION.

(a) SENIOR ARCHITECT—A.P.T. VIII (£685—£760);

(b) ARCHITECT—A.P.T. VII (£635—£710).

TOWN PLANNING AND BUILDING SURVEYING SECTION.

(c) TOWN PLANNING ASSISTANT—Grades A.P.T. II, IV (£420—£525).

London Weighting Allowance payable in addition.

QUALIFICATIONS REQUIRED.

Posts (a) and (b): Applicants must hold an appropriate final professional qualification and have had at least five years' practical experience (including the period spent on theoretical training).

Post (c): The terms of the decisions of the National Joint Council for Local Authorities' Professional Services, dated 26th July, 1949, will apply, particulars of which will be forwarded with the application form.

The appointments will be subject to the provisions of the Scheme of Conditions of Service for Local Authorities' Administrative, Professional, Technical and Clerical Services; to the provisions of the Local Government Superannuation Act, 1937, and the successful candidates will be required to pass a medical examination.

The Council are unable to offer housing accommodation.

Forms of application may be obtained from the Borough Engineer, Town Hall, Tottenham, N.15, to whom they should be returned not later than MONDAY, 9th OCTOBER, 1950.

M. LINDSAY TAYLOR,
Town Clerk.

Town Hall,
N.15.
September, 1950.

THE LONDON COUNTY COUNCIL

invites applications from ARCHITECTS in private practice for inclusion on a panel to act in a professional capacity on the preparation of schemes for repairs and reconstruction of war damaged buildings and construction of new buildings in the Council's Parks and Open Spaces. Applications to the Chief Officer of the Parks Department, Old County Hall, Spring-gardens, S.W.1, not later than 27th OCTOBER, 1950, accompanied by a stamped addressed envelope and brief particulars of qualifications and experience in this work. (1226)

AIR MINISTRY.

There are vacancies for CLERKS OF WORKS in the Directorate General of Works at R.A.F. Stations in the Provinces.

The salary rises to a maximum of £525 p.a. and starting pay will depend upon age, experience and qualification. Annual increases will be granted for satisfactory service where salary is below the maximum.

The appointments are temporary but have long-term possibilities and a scheme is in course of preparation to fill permanent pensionable appointments.

Candidates should normally be below 50 years of age and should be natural born British Subjects and possess the following qualifications:

Ordinary National Certificate in Building or Intermediate City and Guilds certificate in a craft or Associate Membership of Institute of Clerks of Works or equivalent or better qualifications.

Consideration will, however, be given to candidates who, while not conforming strictly to the requirements stated above, have had comparable training and experience.

Appointments to locations at or nearest to those specified in applications will be arranged as far as possible.

Applications, stating age, qualifications, locality desired and all previous appointments with dates, to be addressed to Air Ministry, S.2.(h), Cornwall House, S.E.1.

It is regretted that applications of those candidates not called for interview cannot be acknowledged.

NORTH THAMES GAS BOARD.

Applications are invited for the following appointment in the Architect's Section of the Chief Engineer's Department of Westminster: SENIOR ARCHITECTURAL ASSISTANT; minimum starting salary £650 per annum.

Applicants who must be Registered Architects and should be studying for or have passed the Final Examination of the R.I.B.A., should be capable of preparing working and detailed drawings and specifications and supervising and controlling the work on contracts. Experience in design and planning of industrial buildings would be an advantage.

The appointment is of a permanent nature, and pension arrangements will be discussed with short-list candidates.

Applications, stating age, qualifications, and particulars of previous appointments held, must be submitted to the Staff Controller, North Thames Gas Board, 30, Kensington Church-street, London, W.8 quoting reference 9757.

BOROUGH OF HORNSEY.

ENGINEER AND SURVEYOR'S DEPARTMENT.

APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited for the following temporary appointment:—

ARCHITECTURAL ASSISTANT, Grade V (A.P.T. Division of the National Scale), at a salary of £520—£570 per annum, or Grade VI (A.P.T. Division of the National Scale), at a salary of £595—£660 per annum, plus London weighting allowance of £30 per annum in both instances. Grade according to experience.

Candidates should preferably be Associate Members of the Royal Institute of British Architects.

Applications, stating age, present and previous appointments, technical training, qualifications, experience, etc., together with the names of three referees, must be delivered to Mr. J. H. Melville Richards, A.M.I.C.E., M.I.Mun.E., Borough Engineer and Surveyor, Hornsey Town Hall, N.8, not later than the 2nd OCTOBER, 1950.

Candidates must disclose in writing whether, to their knowledge, they are related to any Member or Officer of the Council.

Canvassing, either directly or indirectly, will disqualify.

H. BEDALE,
Town Clerk.

Town Hall,
Hornsey, N.8.
28th August, 1950.

BOROUGH OF BEXLEY.

APPOINTMENT OF ASSISTANT ARCHITECT.

Applications are invited for the appointment of ASSISTANT ARCHITECT (General) in the Borough Engineer's Department, at a salary within Grade A.P.T. V(a) (£550 × £20–£610), plus £30 per annum London "weighting."

Form of application, with conditions of appointment, may be obtained from the Borough Engineer and Surveyor, West Lodge, Broadway, Bexleyheath, to whom completed applications must be returned by noon on the 14th OCTOBER, 1950.

Canvassing, directly or indirectly, will disqualify.

W. WOODWARD,
Town Clerk.

Council Offices,
Bexleyheath,
Kent.

BOROUGH OF BARRY.

APPOINTMENT OF TECHNICAL ASSISTANT.

Applications are invited for the abovementioned post in the Borough Engineer's Department, at a salary in accordance with Grade V of the A.P.T. Division of the Consolidated National Scales of Salaries. The appointment will be subject to the National Scheme of Conditions of Service; to the provisions of the Local Government Superannuation Act, 1937, and to the successful candidate passing satisfactorily a medical examination.

Candidates must have passed the necessary examinations to comply with the conditions laid down by the National Joint Council for Engineering and Surveying Assistants, and/or Architectural Assistants.

Applications, stating age, present and previous appointments, qualifications and experience, together with copies of not more than three recent testimonials, endorsed "Technical Assistant," must be received by the undermentioned not later than MONDAY, the 23rd OCTOBER, 1950.

Applicants must disclose whether they are related to any Member or Chief Officer of the Council. Canvassing, either directly or indirectly, will disqualify.

The Council will assist the successful candidate with regard to housing accommodation.

T. D. HOWELLS,
Town Clerk.

Town Hall,
Barry.
20th September, 1950.

BOROUGH OF SOUTHALL.

APPOINTMENT OF
(a) ARCHITECTURAL ASSISTANT;
(b) JUNIOR ARCHITECTURAL ASSISTANT.

Applications are invited for these permanent appointments on the staff of the Corporation. Salary for appointment (a) in accordance with Grade A.P.T. III of the National Scheme (£450 × £15—£495), and for appointment (b) in accordance with Grade II of the National Scheme (£420 × £15—£465). Appropriate London Weighting is payable in both cases.

Candidates for appointment (a) should have passed the Intermediate Examination of the R.I.B.A., and have had previous Local Government experience.

Candidates for appointment (b) should be at least second-year students for the Intermediate Examination of the R.I.B.A., and have had Local Government experience.

The posts are subject to one month's notice on either side, and to the provisions of the Local Government Superannuation Act, 1937, and the successful candidates will be required to pass a medical examination.

Applications, on forms to be obtained from the Borough Engineer, Town Hall, Southall, must be returned to him not later than MONDAY, 16th OCTOBER, 1950.

J. S. SYRETT,
Town Clerk.

Town Clerk's Offices,
South-road,
Southall, Middlesex.
August, 1950.

BOROUGH OF WALTHAMSTOW.

BOROUGH ARCHITECT'S DEPARTMENT.

ASSISTANT ARCHITECT.

Applications are invited for an ASSISTANT ARCHITECT (Grades I/V, £420—£606), commencing salary according to qualifications and experience.

Applications, with names of two persons for references, should be received by the undersigned not later than 9th OCTOBER, 1950.

G. A. BLAKELEY,
Town Clerk.

Town Hall,
Walthamstow, E.17.

COUNTY BOROUGH OF CROYDON.

BOROUGH ENGINEER'S DEPARTMENT.

CHIEF QUANTITY SURVEYING ASSISTANT.

Applications are invited for this appointment at salary A.P.T. VIII £685 × £25 to £760 p.a., plus London Weighting. Preference will be given to Chartered Quantity Surveyors.

If the successful candidate is unable to obtain reasonable living accommodation the Corporation will endeavour to assist him.

The appointment is pensionable, subject to medical examination.

Form of application may be obtained from the Borough Engineer, Town Hall, Croydon, and should be returned to him within 14 days after this advertisement is published.

Canvassing will disqualify.

E. TABERNER,
Town Clerk.

15th September, 1950.

COUNTY BOROUGH OF WOLVERHAMPTON.

ARCHITECTURAL ASSISTANT —GRADE III A.P.T.

Applications are invited for the appointment of an ARCHITECTURAL ASSISTANT (Salary A.P.T. Division, Grade III, £450 × £15 to £495 per annum) on the staff of the Borough Engineer's Department.

The appointment, terminable by one month's notice on either side, is subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidate will be required to pass a medical examination.

The Conditions of Service will be those of the National Joint Council for Local Authorities' Administrative, Professional, Technical and Clerical Services.

Applications, stating age, qualifications, present position and full details of experience, together with copies of three recent testimonials, should be delivered to the undersigned not later than FRIDAY, 13th OCTOBER, 1950, in an envelope endorsed "Architectural Assistant."

J. BROCK ALLON,
Town Clerk.

Town Hall,
Wolverhampton.

SURREY COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the appointment of MECHANICAL ENGINEERING ASSISTANT, Grade V, at a commencing salary of £520 per annum, rising by annual increments of £15/£20 to a maximum of £570 per annum, plus London Allowance of up to £30 per annum according to age.

Applicants should have good technical training and experience in the design and preparation of drawings, specifications and estimates for installations of heating, ventilating and hot water supply services in large buildings.

Preference will be given to members of the Institution of Heating and Ventilating Engineers.

The appointment will be subject to the provisions of the Local Government Act, 1937, and the successful applicant will be required to pass a medical examination.

Applications, stating age, qualifications and experience and accompanied by copies of three recent testimonials, should be sent to the County Architect, Surrey County Council, County Hall, Kingston-upon-Thames, not later than the 7th OCTOBER, 1950.

Canvassing, either directly or indirectly, will disqualify a candidate from consideration.

The Council will be unable to provide any housing accommodation, and the successful applicants will be expected to make their own arrangements in this direction.

DUDLEY AUKLAND,
Clerk of the Council.

County Hall,
Kingston-upon-Thames.

NORTH RIDING EDUCATION COMMITTEE.

Applications are invited for the following permanent appointments:—

(a) ARCHITECTURAL ASSISTANT (Grade A.P.T. III & IV). Salary £450 × £15—£525

(b) JUNIOR ASSISTANT QUANTITY SURVEYOR (Grade A.P.T. I). Salary £390 × £15—£435.

Previous experience will be taken into account in fixing the commencing salaries.

The posts are subject to the Local Government Superannuation Act, and the successful applicants will be required to pass medical examination by the County Medical Officer. For further particulars and application form send stamped, addressed envelope. Completed applications required by SATURDAY, the 14th OCTOBER, 1950. Canvassing disqualifies.

F. BARRACLOUGH,
Secretary for Education.

Education Offices,
County Hall,
Northallerton.

CROWN AGENTS FOR THE COLONIES.

ASSISTANT INSTRUCTOR (Woodworking Trades) required for the Mombasa Institute of Muslim Education for one tour of 36 months in the first instance. Commencing salary of up to £650 a year, according to age and qualifications. Superannuation Scheme. Liberal leave. Free passages. Candidates should have served an apprenticeship as a Carpenter/Joiner and have had wide experience in building construction, and be able to instruct African students in subjects relating to their trade. Apply at once by letter, stating age, full names in block letters, and full particulars of qualifications and experience, and mentioning this paper to the Crown Agents for the Colonies, 4, Millbank, London, S.W.1, quoting M/N/25445/3D on both letter and envelope. The Crown Agents cannot undertake to acknowledge all applications, and will communicate only with applicants selected for further consideration.

CITY OF PLYMOUTH.

Applications are invited for the undermentioned appointments in the City Engineer's Department:

(a) ESTIMATOR (Building Trades), Grade II (£420—£465);

(b) QUANTITIES CLERK, Grade I (£390—£435);

(c) PROPERTY MAINTENANCE INSPECTOR, Grade I (£390—£435);

(d) PROPERTY MAINTENANCE INSPECTOR, Grade Misc. II (£375—£420);

(e) SITE BONUS CLERK, General Division (£135—£385); Salary according to age; Temporary;

(f) SITE CLERK, General Division (£135—£385); Salary according to age; Temporary;

(g) ORDERS CLERK, General Division (£135—£385); Salary according to age; Temporary.

Candidates for appointment (a) must have had experience either in a Municipal or Contractor's office of preparing estimates for new construction and maintenance work.

For appointment (b) applicants should have had experience in taking off quantities for ordering purposes.

For appointments (c) and (d) applicants should have been trained in the Building Industry and have a thorough knowledge of the trade in all its branches, and should have also had experience in the supervision of general property repairs.

For appointment (e) candidates must have had experience in operating an incentive bonus scheme.

For appointments (f) and (g) preference will be given to applicants with experience in a Builders' office.

The age limit for the above appointments is 40 years or, if serving with another Local Authority, 45 years.

The appointments (a), (b), (c) and (d) will be subject to the provisions of the Local Government Superannuation Act, 1937.

All the successful applicants will be required to pass a medical examination.

Service will be terminated by one month's notice on either side.

Housing accommodation will be made available to the successful applicants for appointments (a) and (b) if married, and the Council is satisfied it is necessary.

Applications, stating age and experience, together with copies of not more than three recent testimonials, should be forwarded to the undersigned by the 14th OCTOBER, 1950.

Applicants must clearly indicate which appointment they are seeking.

P. PATON WATSON,
C.B.E., M.I.C.E.,
City Engineer and Surveyor.

The Guildhall,
Plymouth.

BOROUGH OF NEWBURY.

APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of ARCHITECTURAL ASSISTANT in the Borough Surveyor's Department. The salary will be in accordance with the National Scale A.P.T. Grade V or VA, according to qualifications and experience, and if necessary a house will be made available for the successful applicant. Candidates should be Associates of the Royal Institute of British Architects, and have had experience in Municipal housing work as well as other architectural work.

The appointment is a permanent one and will be subject to the provisions of the Superannuation Act. Applications, stating qualifications and experience, together with copies of three recent testimonials, should be forwarded to reach the undersigned not later than the 19th OCTOBER 1950.

E. H. HUTTON, A.M.I.C.E.,
Borough Surveyor.

Municipal Buildings
Newbury.

LIVERPOOL REGIONAL HOSPITAL BOARD.

Applications are invited for the following permanent appointments in the Regional Architect's Department, on the Headquarters Staff of the Board:

ASSISTANT ARCHITECTS, at a salary in accordance with A.P.T. Grade VI (£595—£660 per annum) and A.P.T. Grade IV (£480—£525 per annum).

Applicants should be Associates of the Royal Institute of British Architects for the former appointment, and should have passed the Intermediate Examination for the latter appointment. Applicants must have a good general experience and ability in design and construction.

The above appointments will be subject to the National Health Service (Superannuation) Regulations, 1947/9, and the successful candidates may be required to pass a medical examination.

Applications, stating age, education, qualifications, experience, present and previous appointments, salary, war service, and clearly stating the post applied for, together with the names and addresses of three referees, should be sent to the undersigned at 19, James-street, Liverpool, 2, not later than 18th OCTOBER, 1950.

VINCENT COLLINGE,
Secretary to the Board.

HAMPSHIRE COUNTY COUNCIL.

APPOINTMENT OF CLERK OF WORKS.

Applications are invited for the temporary appointment of CLERK OF WORKS in connection with the supervision of the erection of Winchester Romsey-road New Secondary School, and such other works as may be required by the Council.

Salary will be at the rate of £11 11s. per week.

The possession of a car will be considered an advantage

Applications should be made on forms to be obtained from the County Architect, The Castle, Winchester, and are to be returned so as to reach him not later than SATURDAY, the 14th OCTOBER, 1950.

G. A. WHEATLEY,
Clerk of the County Council.

The Castle,
Winchester.
18th September, 1950.

NORTH-EAST METROPOLITAN REGIONAL HOSPITAL BOARD.

Applications are invited for the appointment of ELECTRICAL ENGINEER, Grade A.P.T. VII, salary scale £635 × £25—£710 per annum, plus London Weighting.

Candidates must be Corporate Members or Graduates of the Institution of Electrical Engineers, or possess equivalent qualifications, and have had sound training in electrical engineering, with experience in the preparation of Drawings, Wiring Diagrams and Specifications. A knowledge of X-ray sets would also be an advantage.

The post is subject to the National Health Service (Superannuation) Regulations, 1950.

Applications, stating date of birth, full details of qualifications and experience, present appointment and salary, together with the names and addresses of three referees, should reach C. E. Nicol, Secretary, North-East Metropolitan Regional Hospital Board, 11a, Portland-place, London, W.1, within seven days.

BOROUGH OF WILLESDEN.

APPOINTMENT OF ARCHITECTURAL ASSISTANT.

The Council invite applications for the appointment of an ARCHITECTURAL ASSISTANT on the permanent staff of the Borough Engineer and Surveyor's Department.

The salary attaching to the post will be Administrative Professional and Technical Grade VI of the National Whitley Council's Scale for the London area, namely, £595 per annum, rising, by two annual increments of £20 per annum and one of £25 per annum, to £660 per annum, plus London Weighting of £30 per annum.

Candidates must be Associates of the Royal Institute of British Architects or hold an equivalent qualification, and preferably have general knowledge and experience of architectural work in the service of a Local Authority.

The appointment will be terminable by one month's notice on either side, is subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidate will be required to pass a medical examination.

Applications, giving age, experience, etc., accompanied by copies of not more than three testimonials, should be addressed to the undersigned, endorsed "Architectural Assistant," not later than 10 a.m. on MONDAY, 23rd OCTOBER, 1950.

It will be necessary for the successful candidate to provide his own housing accommodation, as the Council is not in a position to assist.

Canvassing, directly or indirectly, will be deemed a disqualification.

R. S. FORSTER,
Town Clerk.

Town Hall,
Dyne-road,
Kilburn, N.W.6.
15th September, 1950.

ARCHITECTURAL STAFF.

Applications are invited for the following vacancies in the Architect's Department of the Durham and Northern (N. & C.) Divisional Coal Boards, situated at Ashfield Tower, Gosforth, Newcastle-upon-Tyne, 3.

ARCHITECTS, Grade II, £450 × £25—£700. Should be A.R.I.B.A.

ARCHITECTURAL ASSISTANTS, Grade I, £410 × £20—£550. Should be student R.I.B.A.

ARCHITECTURAL ASSISTANTS, Grade II, £300 × £20—£440. Should be Probationer R.I.B.A.

The posts are permanent and superannuable. Appointments will be made within the scales at levels in accordance with experience and qualifications.

Applications, stating age, education, qualifications, appointments held and salaries, to be addressed within 14 days to the Establishments Officer, Northern (N. & C.) Division, N.C.B., Ellison Buildings, Ellison-place, Newcastle-upon-Tyne, 1.

BURGH OF KILMARNOCK.

BURGH ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointment: SENIOR ASSISTANT ARCHITECT. Salary: Grade A.P.T. VI (£595 × £20 × £20 × £25 to £660).

Applicants must be Registered Architects, preferably with a professional qualification and previous municipal and housing experience.

Applicants must not exceed 45 years of age unless they are already contributory employees under the Local Government Superannuation (Scotland) Act, 1937, but those who have been on war service may, if necessary, deduct the period of such service from their present age to satisfy the condition as to age limit. The person selected for appointment will require to pass a medical examination, and, on satisfying this condition, will become a contributory employee under that Act.

Applications, accompanied by one copy of each of three testimonials and giving full details of age, qualifications, experience and previous appointments held, should be lodged with N. S. Sutherland, Esq., Burgh Architect and Town Planning Officer, 64a, Bank-street, Kilmarnock, not later than MONDAY, the 16th OCTOBER, 1950.

W. L. WALKER,
Town Clerk.

Council Chambers,
Kilmarnock.
21st September, 1950.

BOROUGH OF SOUTHGATE.

BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

TECHNICAL STAFF.

Applications are invited for the following appointments in the Department of the Borough Engineer and Surveyor:—

(a) BUILDING INSPECTOR.—A.P.T. II–III.

(b) TEMPORARY CLERK OF WORKS (BUILDING).—£9 10s. per week, inclusive.

Appointment "A" is permanent and superannuated, and the appropriate "London weighting" will be paid. Preference will be given to candidates who have had previous experience in a similar capacity with a Local Authority. For Appointment "B" candidates must have had considerable experience on Contracts for the construction of Housing Estates, including three-storey Flats.

Forms of application for both appointments may be obtained from the Borough Engineer and Surveyor, and should be returned to the undersigned not later than 9 a.m. on WEDNESDAY, 11th OCTOBER, 1950.

Canvassing, directly or indirectly, will be a disqualification.

GORDON H. TAYLOR,
Town Clerk.

Town Hall,
Palmers Green,
N.13.
20th September, 1950.

WEST SUSSEX COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the appointment of an ASSISTANT ARCHITECT at a salary in accordance with Grade IV A.P.T. Division (£480 to £525 per annum) of the Consolidated National Scales.

Applicants should be fully trained Architects, experienced in the preparation of designs, working drawings, details and specifications, and be capable of preparing approximate estimates and making surveys and levelling. Prefetence will be given to applicants who have passed the whole or part of the examinations of the R.I.B.A.

Further particulars should be obtained immediately from the County Architect, County Hall, Chichester, to whom detailed applications must be submitted not later than the 18th OCTOBER, 1950.

T. C. HAYWARD,
Clerk of the County Council.

County Hall,
Chichester.
19th September, 1950.

DR. BARNARDO'S HOMES

invite applications for the appointment of an ASSISTANT ARCHITECT on the Staff of the Chief Architect and Surveyor, at a commencing salary of £450 p.a. plus £91 10s. p.a. C.L.B. Superannuation is non-contributory, and free lunches are provided. Applicants should be Registered Architects and experienced in the alteration and adaptation of existing buildings.

The Association's Homes are situated in all parts of the British Isles, and applicants must be prepared to travel when need arises. Ability to drive a car is desirable.

Applications, stating age, details of training, qualifications, experience and previous appointments, together with the names of two referees, should be forwarded to the Chief Architect and Surveyor, Dr. Barnardo's Homes, 18/26, Stepney Causeway, London, E.1, not later than 23rd OCTOBER, 1950.

SURREY COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the appointment of an ASSISTANT MECHANICAL ENGINEER, Grade VI, at a commencing salary of £595 per annum, rising, by annual increments of £20–£25, to a maximum of £660 per annum, plus London Allowance of £30 per annum.

Applicants should be Corporate Members of the Institution of Mechanical Engineers and/or Institution of Heating and Ventilating Engineers, and should be experienced in the preparation of specifications, drawings and estimates for the installation and maintenance of heating, ventilating and hot water supply services in large buildings.

Applicants should give full details of past and present appointments.

The appointment will be subject to the provisions of the Local Government Act, 1937, and the successful applicant will be required to pass a medical examination.

Applications, stating age, qualifications and experience, and accompanied by three recent testimonials, should be sent to the County Architect, Surrey County Council, County Hall, Kingston-on-Thames, not later than the 20th OCTOBER, 1950.

Canvassing, either directly or indirectly, will disqualify a candidate from consideration.

The Council will be unable to provide any housing accommodation, and the successful applicant will be expected to make his own arrangements in this direction.

DUDLEY AUKLAND,
Clerk of the Council.

County Hall,
Kingston-upon-Thames.

BOROUGH OF ST. MARYLEBONE.

ARCHITECTURAL ASSISTANT.
(SECOND ADVERTISEMENT.)

Applications are invited for the appointment of ARCHITECTURAL ASSISTANT on the permanent staff of the Housing Department. Applicants should have passed the R.I.B.A. Intermediate or Final Examination, and should preferably have had some experience in municipal housing.

The grading of the post will be between A.P.T. II (£420–£465) and A.P.T. V (£520–£570) according to the qualifications of the successful candidate, as laid down in the National Scheme of Conditions of Service. London weighting will also be paid.

The appointment, terminable by one month's notice on either side, will be subject to satisfactory medical examination by the Council's Medical Officer; to proof of age by production of birth certificate; to the National Scheme of Conditions of Service as adopted by the Council; and to compliance with the provisions of the St. Marylebone Borough Council (Superannuation) Acts, 1908–1936, and any modifications thereof.

Forms of application are not issued, but candidates must write, stating age, qualifications, present position and salary, particulars of past appointments, and all other essential information; and giving the names of three referees.

Applications must be received by the Town Clerk, Town Hall, St. Marylebone, W.1, not later than SATURDAY, 14th OCTOBER, 1950.

Canvassing will disqualify.

CITY OF PORTSMOUTH.

CITY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments:

(a) ASSISTANT QUANTITY SURVEYORS, Grade VI (£595–£660).

Candidates should be Professional Associates of the Chartered Surveyors' Institution, qualified in the Quantities Sub-Division, with experience in taking-off, abstracting, billing, estimating, site measurement, preparation of interim certificates, and final accounts.

(b) ASSISTANT QUANTITY SURVEYORS, Grade V (£520–£570).

Candidates should be experienced in taking-off, abstracting, billing, estimating, site measurement, preparation of interim certificates and final accounts.

(c) ASSISTANT QUANTITY SURVEYORS Grade III (£450–£495).

Candidates should have had similar experience to (b) under supervision.

(d) JUNIOR ASSISTANT QUANTITY SURVEYOR, General Division (£135–£385 according to age).

Candidates should be of matriculation standard and be good at figures.

Applications, setting out in tabular form name, age, qualifications, present post and salary, previous posts with dates, details of experience, with names of three referees, must be delivered to the undersigned not later than 10 a.m. on MONDAY, 23rd OCTOBER, 1950.

Canvassing will disqualify.

V. BLANCHARD,
Town Clerk.

City Council Chambers,
1, Clarence-parade,
Portsmouth.
21st September, 1950.

COUNTY BOROUGH OF BLACKBURN.

APPOINTMENT OF ASSISTANT BUILDING INSPECTOR.

Applications are invited for the position of ASSISTANT BUILDING INSPECTOR on the permanent staff of the Borough Engineer's Department, on Grade II of the National Scale of Salaries, viz £420–£465.

Applicants must have a good knowledge of building bye-laws and construction, and preference will be given to candidates who have had experience in similar work with a Local Authority.

Applications, accompanied by copies of not more than three recent testimonials, must be sent to the Borough Engineer and Surveyor, Town Hall, Blackburn, by OCTOBER 14th, 1950.

CHAS. S. ROBINSON,
Town Clerk.

CITY OF SALFORD.

Applications are invited for the appointment of ARCHITECTURAL ASSISTANT on the permanent staff (salary A.P.T. Grade VI—£595 to £660), in accordance with the Conditions of the National Joint Council.

Candidates should be Associates of the Royal Institute of British Architects or hold an equivalent qualification, and should possess a sound experience in design and construction and also be experienced in the management of building contracts.

The appointment will be subject to:

(a) the provisions of the Local Government Superannuation Act, 1937;

(b) the passing of a medical examination;

(c) the Standing Orders of the Council.

Applications, stating age, qualifications and experience, together with particulars of past and present employment—accompanied by copies of two recent testimonials—should be forwarded in envelopes endorsed "Architectural Assistant," addressed to the City Engineer, Town Hall, Salford, 3, Lancs, so as to be received not later than 17th OCTOBER, 1950.

Applicants must disclose, in writing, whether or not they are related to any Member of the Council or an Officer of the Authority.

H. H. TOMSON,
Town Clerk.

METROPOLITAN BOROUGH OF POPLAR.

APPOINTMENT OF CHIEF ARCHITECTURAL ASSISTANT (GRADE A.P.T. VI).

Applications are invited from suitably qualified persons for the permanent appointment of CHIEF ARCHITECTURAL ASSISTANT in the Architect's Section of the Borough Engineer and Surveyor's Department. The salary payable will be in accordance with Grade A.P.T. VI of the National Salary Scales, i.e., £595—£660 per annum, plus London "weighting."

Applicants should have had experience of housing and multi-storey flats, and have a good knowledge of building construction and specification writing, and must be able to supervise a team of Assistants.

Several schemes, including interesting constructional and detailing problems are in hand or under construction, and the applicant appointed will be engaged on these projects.

Preference will be given to applicants who are Associate Members of the Royal Institute of British Architects.

Full details of the appointment and forms on which application must be made, may be obtained from the Borough Engineer and Surveyor, Poplar Town Hall, Bow-road, E.3, to whom completed applications must be delivered not later than first post on MONDAY, 16th OCTOBER, 1950.

Poplar Town Hall,
Bow-road, E.3.
21st September, 1950.

WOKING URBAN DISTRICT COUNCIL.

ENGINEER AND SURVEYOR'S DEPARTMENT.

APPOINTMENT OF TEMPORARY CLERK OF WORKS.

Applications are invited for the appointment of a TEMPORARY CLERK OF WORKS, at a wage of Eleven Guineas per week, to supervise the construction of permanent houses and the preparation of sites.

Applicants must have a sound knowledge of building construction, roads and sewers, and measuring up contracts.

Applications, stating age, experience and present position, accompanied by copies of not more than three recent testimonials, enclosed in a sealed envelope endorsed "Clerk of Works," must be received by the undersigned not later than THURSDAY, 12th OCTOBER, 1950.

Canvassing in any form will be a disqualification.

F. H. SMITH,
Clerk of the Council.

Council Offices,
Woking.
25th September, 1950.

BRITISH ELECTRICITY AUTHORITY.

EASTERN DIVISION.

Applications are invited for the following post in the Generation Construction Department (Civil Engineering Section) at Divisional Headquarters in North London: ARCHITECTURAL ASSISTANT. Commencing salary range £506—£636 per annum, which includes the London Allowance.

Applicants should have had experience in the design and alteration of industrial buildings.

Initial salaries will be in accordance with previous experience and qualifications.

The salary is provisional and will be subject to negotiation through the medium of the appropriate negotiating body.

The appointment will be superannuable in accordance with the British Electricity Authority and Area Boards Superannuation Scheme.

Applications, stating age, experience, present position, and salary required, and endorsed "Architectural Assistant," should be submitted to arrive not later than 13th OCTOBER, 1950, to the Divisional Controller, British Electricity Authority, Eastern Division, Northmet House, Southgate, N.14.

W. N. C. CLINCH,
Controller.

Northmet House,
Southgate, N.14.

COUNTY BOROUGH OF WALSALL.

PARKS, PLAYING FIELDS AND CEMETERIES DEPARTMENT.

APPOINTMENT OF TECHNICAL ASSISTANT.

Applications are invited for the above appointment at a salary in accordance with Grade A.P.T. I (£390—£435 p.a.) to Grade A.P.T. III (£450—£495 p.a.), according to qualifications.

Applicants should have practical experience in elementary surveying and plan drawing, costing and carrying out of general constructional works, including building repairs, fencing and paths, etc. Housing accommodation may be available at a reasonable rental.

The position is subject to the provisions of the Local Government Superannuation Act, 1937, and the successful applicant will be required to pass a medical examination.

Applications, stating age, whether married, present appointment and salary, and full details of experience, together with the names and addresses of three referees, should be in the hands of the undersigned by the 9th OCTOBER, 1950.

Applicants should state whether they are related to a Member or Senior Official of the Council.

E. J. WINTON,
Superintendent of Parks and Playing Fields.

Gorway Buildings,
Gorway-road,
Walsall.
25th September, 1950.

ISLE OF ELY COUNTY COUNCIL.

COUNTY PLANNING DEPARTMENT.

Applications are invited for the following appointments:

(1) CHIEF PLANNING ASSISTANT—Salary, A.P.T. Grade Va (£550 × £20 to £610).

Applicants must be Corporate Members of the Town Planning Institute, and it will be added advantage to possess other recognised qualifications in architecture, engineering or surveying. Applicants must have had considerable experience in the preparation of the Development Plan for a Rural County and a general experience of statutory planning with a County Council or Joint Planning Committee.

(2) DRAUGHTSMAN. — Salary in accordance with the General Division Scale, i.e., Males at the age of 16 years £135 per annum, rising to £385 per annum at the age of 32; Females at the age of 16 years £108 per annum, rising to £308 per annum at the age of 32. Applicants should have reached school certificate or equivalent standard of education, and must have had considerable experience as a Draughtsman preferably in a Planning, Surveyor's or Architect's office.

The person appointed to be the Chief Planning Assistant will be required to provide and maintain a motor-car, for the use of which a travelling allowance will be payable in accordance with the County Council's scale.

Both appointments are subject to the provisions of the Local Government Superannuation Act, 1937, and to the passing of a medical examination. Applications, stating age, qualifications, and experience, accompanied by copies of two recent testimonials and endorsed "Chief Planning Assistant" or "Draughtsman," must be returned to the County Planning Officer not later than SATURDAY, 14th OCTOBER, 1950.

R. F. G. THURLOW,
Clerk of the County Council.

County Hall,
March.
22nd September, 1950

CITY OF BIRMINGHAM
PUBLIC WORKS DEPARTMENT.

Applications are invited for the following appointment to the permanent staff in the Architectural Section of the Public Works Department:

SENIOR QUANTITY SURVEYOR—Grade A.P.T. VIII (£685—£760).

Applicants must be Associate Members of the Royal Institution of Chartered Surveyors (Quantity Section) and have had considerable experience in a Quantity Surveyor's office and be competent to "take-off" and prepare Bills of Quantities for all classes of buildings.

Applicants need not have had previous Local Government experience.

The commencing salary will be fixed at an incremental point within the grade according to the qualifications and experience of the candidate appointed.

The appointment may be terminated by one month's notice on either side.

The successful applicant will be required to undergo a medical examination by the Corporation doctor, and the appointment will be subject to the provisions of the Local Government Superannuation Act, 1937.

Applications, stating age and experience, together with the names of two persons to whom reference can be made, should be sent to me not later than the 21st OCTOBER, 1950, and the envelope endorsed "Appointment of Senior Quantity Surveyor."

Canvassing, either directly or indirectly, will disqualify.

HERBERT J. MANZONI,
City Engineer and Surveyor.

The Civic Centre,
Birmingham, 1.

CITY OF BIRMINGHAM
PUBLIC WORKS DEPARTMENT.

Applications are invited from qualified and experienced Architects for the appointment of Deputy Borough Architect on the Council's permanent establishment.

The salary scale applicable to the appointment will be £900 per annum, rising, by annual increments of £50, to £1,060 per annum inclusive.

Preference will be given to persons who have had experience in the design and construction of municipal flats, housing schemes and public buildings.

The appointment will be subject to the rules and regulations of the Council from time to time in force relating to officers; to the National Scheme of Conditions of Service; to the provisions of the Local Government Superannuation Act, 1937; to termination by one month's notice on either side, and to the successful candidate passing satisfactorily a medical examination by the Council's Medical Officer of Health.

The person appointed will be required to devote his whole time to the duties of the office, and will not be permitted to engage in private practice.

Forms of application may be obtained from me, and should be returned, accompanied by copies of not more than three testimonials, addressed to me, in an envelope endorsed "Deputy Borough Architect," so as to be received not later than SATURDAY, the 21st OCTOBER, 1950.

Canvassing, either directly or indirectly, will be a disqualification.

ALAN MILNER SMITH,
Town Clerk.

Lewisham Town Hall,
Catford, S.E.6.
20th September, 1950.

BOROUGH OF DAGENHAM.
ASSISTANT STOREKEEPER.

Applications are invited for the post of ASSISTANT STOREKEEPER (G.D. Grade). Salary according to age, viz., £310 per annum at age 25 years, rising to £415 per annum at 32 years of age. Preference will be given to applicants who have had similar experience. Forms of application and particulars of the post are obtainable from the Borough Engineer. Closing date 11th OCTOBER, 1950. Canvassing disqualifies. The Council are unable to provide housing accommodation.

KEITH LAUDER,
Town Clerk.

Civic Centre,
Dagenham.

BOROUGH OF DAGENHAM.
APPOINTMENT OF ASSISTANT BUILDING MANAGER.

The Council invite applications for the appointment of ASSISTANT BUILDING MANAGER, salary Grade IV, viz., £510—£555 per annum. Applicants must hold a recognised building qualification, have a knowledge of quantities and pricing and have had experience with a local authority. Forms of application and further particulars are obtainable from the Borough Engineer and Surveyor. Closing date 18th OCTOBER, 1950. The Council are unable to provide housing accommodation. Canvassing disqualifies.

KEITH LAUDER,
Town Clerk.

Civic Centre,
Dagenham.

THE URBAN DISTRICT COUNCIL OF WATH-UPON-DEARNE.
ENGINEER AND SURVEYOR'S DEPARTMENT.

HOUSING SECTION.

APPOINTMENT OF TEMPORARY CLERK OF WORKS.

Applications are invited for the appointment of TEMPORARY CLERK OF WORKS, at an inclusive wage of £8 per week, from persons with training and experience in the construction of houses on Council Housing Estates and who are competent to supervise contracts for the erection of houses under the direction of the Council's Engineer and Surveyor. The appointment is terminable by one month's notice, in writing, on either side. Applications, stating age, present appointment and full details (with dates) of previous appointments and giving the names of two persons to whom reference can be made, should be received by the undersigned not later than 9 a.m. on MONDAY, the 2nd OCTOBER, 1950, in a plain sealed envelope endorsed in the top left-hand corner "Temporary Clerk of Works." Applicants should disclose in writing whether they are related to any member or chief official of the Council. Canvassing, either directly or indirectly, will disqualify.

ROBERT H. FISH,
Clerk of the Council.

The Town Hall,
Wath-upon-Dearne,
Near Rotherham.

STEVENAGE NEW TOWN.

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Forms of application may be obtained from the Chief Administrative Officer, Stevenage Development Corporation, Aston House, near Stevenage, Herts, and should be returned, completed by applicants, not later than 14th OCTOBER, 1950.

LEWIS BERGER & SONS

SATISFACTORY RATE OF EARNINGS MAINTAINED

The seventy-first annual general meeting of Lewis Berger and Sons, Ltd., was held on August 3 at the Dorchester Hotel, Park-Lane, London, W. Mr. Thomas Lilley (chairman of the company) presiding.

The following is an extract from the Chairman's review circulated with the report and accounts:—

The Berger group of 33 paint companies was founded in London nearly 200 years ago and now operates from 20 factories throughout the Commonwealth and in France and Eire. Agencies in export territories and a technical and selling link with the Sherwin-Williams Companies in the Americas complete the chain of world-wide service to users of paint materials.

Reserves including profits retained in the business have been accumulated with the issued capital stock of £927,275 (of which £400,000 is Preference stock) to create the financial strength which enables the group to finance new assets of £4,595,519. No value of goodwill or other intangible assets is included in this total.

The group net profit after taxation is an increase over 1949 and at £453,734 maintains the satisfactory annual rate of earnings shown by the accounts of recent periods. The Ordinary dividend is continued at 33 per cent. and together with the Preference dividend requires only £111,100 so that the general reserve and undistributed profit totals are further and substantially increased.

A Year of Consolidation

During the period of easier selling conditions I explained the main features of a long-term policy initiated to maintain earnings when the competition which now characterises paint trading should return. These features were to intensify the technical control and development of products for specialist uses, to extend the trade and production capacity of group companies overseas and to provide facilities for a much increased volume of production for sale at home. This year has been one of consolidation within this policy structure and of preparation so that the organisation is equipped to offset the effect of growing costs by yet further increases in sales. I can now report the substantial progress which has been made along these lines.

The new Bergermaster decorating finishes produced by use of the company's styrene patents have achieved such popularity that sales compare favourably with those of the company's longer established specialities such as Pompeian. It is gratifying but somewhat surprising that in spite of the advent of these new products the demand for Pompeian has increased. Production of a series of new Polykem industrial finishes also based on styrene has now been completed for marketing, such additions to the range of group paint products have contributed to the satisfactory increase in sales compared with the 1949 year which I am able to report.

The extension of trading in overseas companies has already proved its worth and produced for these companies a record sales total for the year under review. The increase in advances and other indebtedness of subsidiary companies includes requirements of overseas companies to finance their development programme, and once again profits earned in Australia have been capitalised and not brought back as a cash dividend. A continuance of the progress of these companies can be confidently expected so that the increase in funds employed for their trading continues to be justified by results.

At home the outstanding feature has been the completion of the building of the vast modern paint factory at Chadwell Heath, Essex. Although production at this factory has commenced there have been delays in the deliveries of plant so that it cannot be equipped for full-scale operation before the end of this financial year. There is, however, already evidence of material economies in operating costs at this unit which, together with the additional volume of output provided, will benefit future trading.

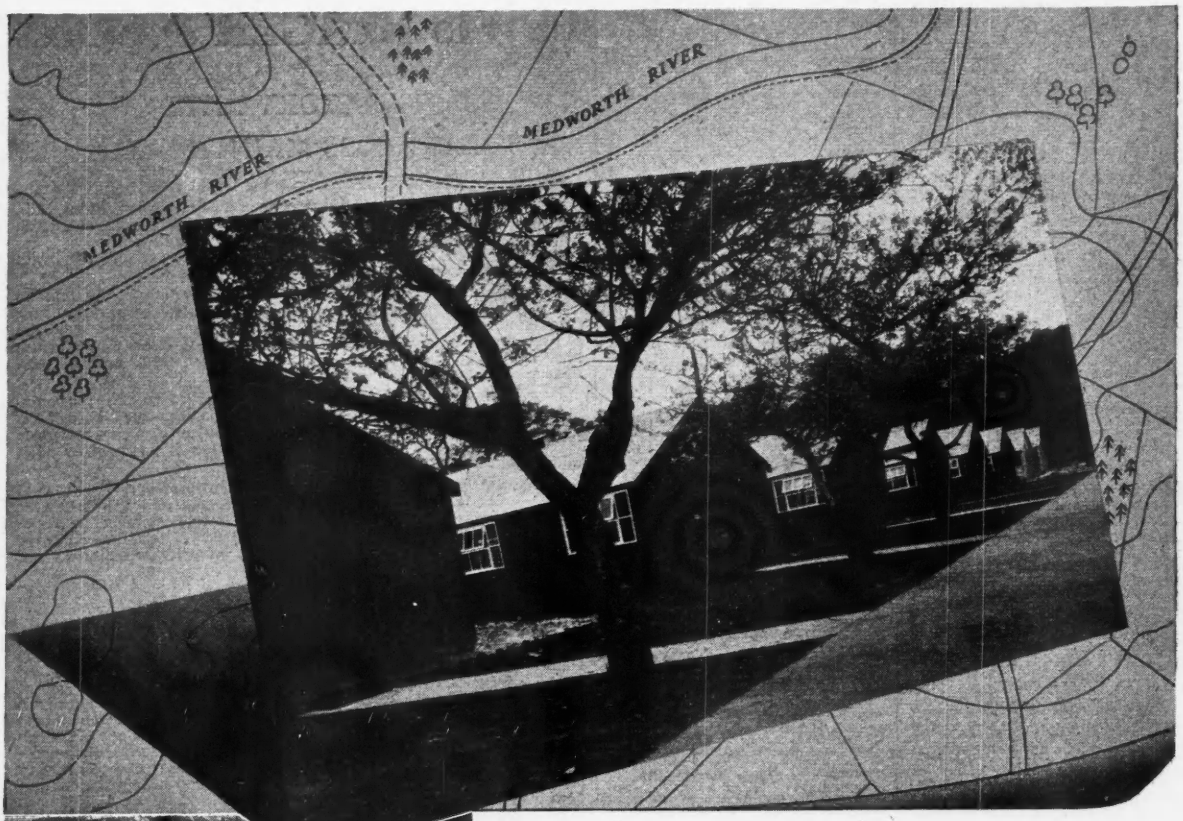
Increased Selling Costs

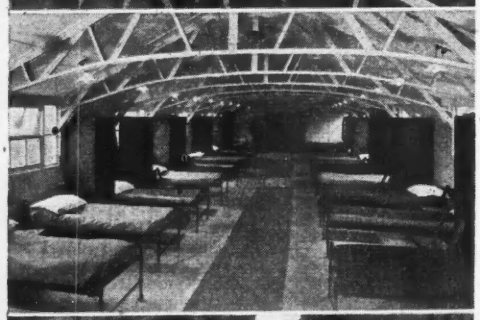
In my review last year I explained that the directors had decided to increase certain selling costs. For a full year in the accounts now under review there has been charged against trading profits extra expenditure on the selection and training of additional sales staff and on the provision of display matter and other advertising and sales promotion projects. This has been an essential preparation of the group selling organisation so that it is equipped to handle the larger volume of products which will become available for marketing. As a result the production capacity which exists has been strained to satisfy orders by prompt delivery but new production facilities are planned to come into operation at the end of the year. Thereafter the full benefit of the preparatory expenditure will be revealed.

During the year stockholders have considered and approved full details of a scheme for the reconstruction of the group structure which was proposed by the Board after taking independent expert advice.

It is no easier this year to forecast future trading conditions but I am able to assure stockholders that during the early months of the current financial year there was another substantial increase in the volume of trading and that only influences beyond the control of the company can interrupt this chronicle of industrial achievement.

The report and accounts were unanimously adopted and a final dividend of 25 per cent. on the Ordinary stock, making 33 per cent. for the year, was approved.





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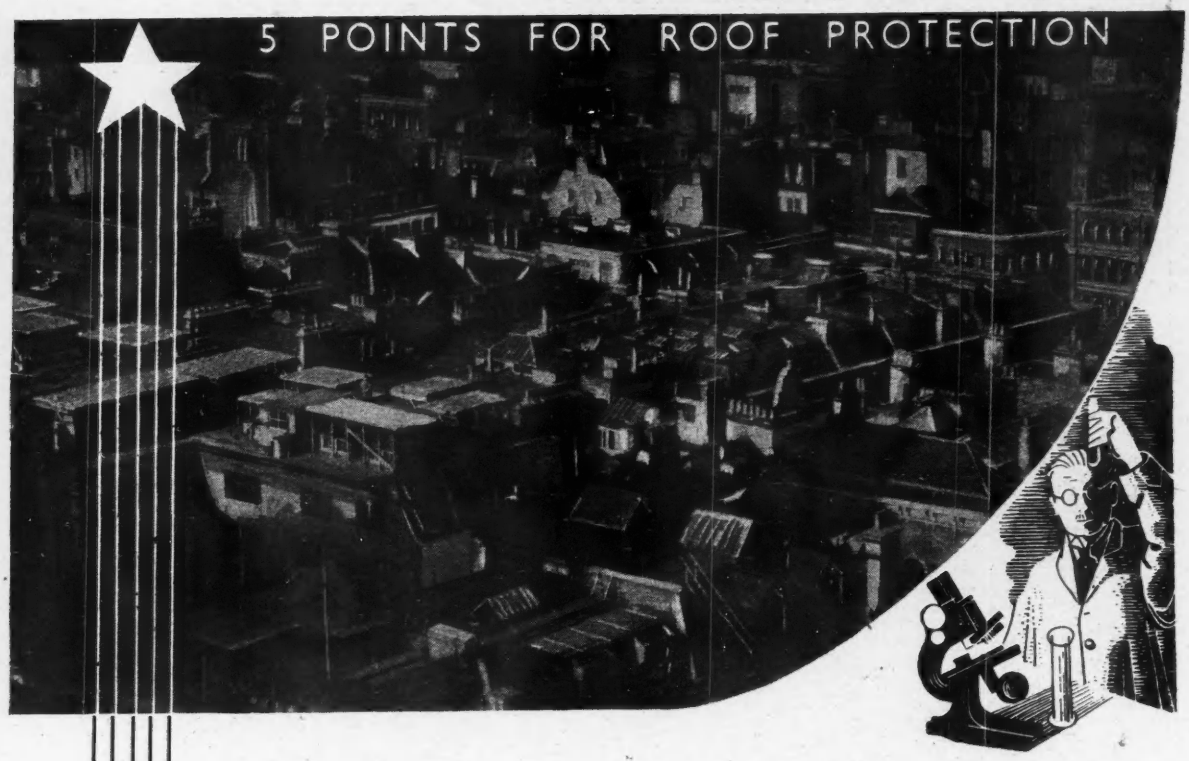

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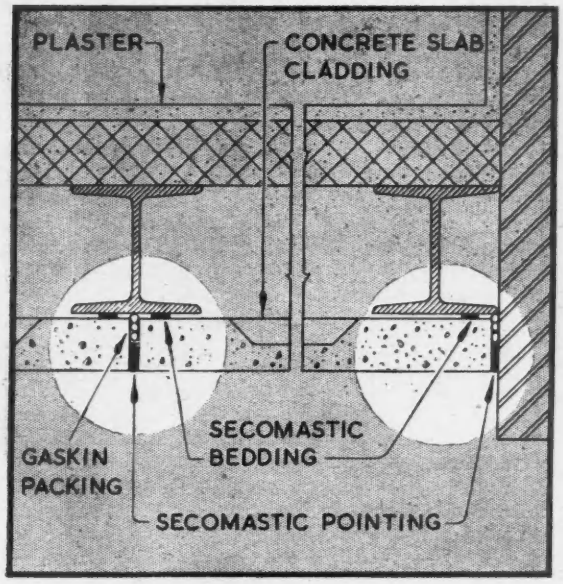

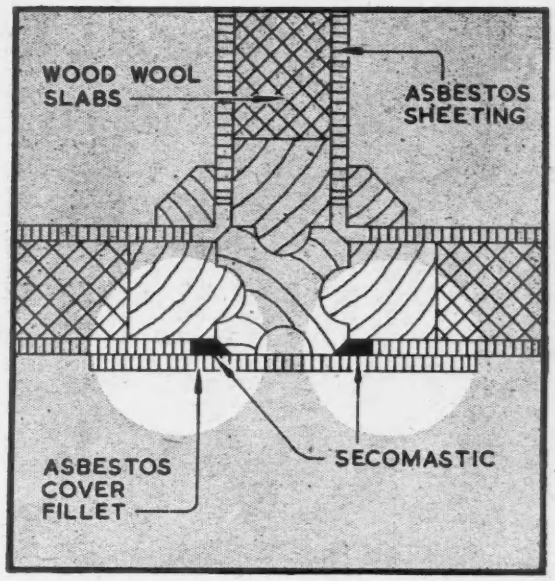

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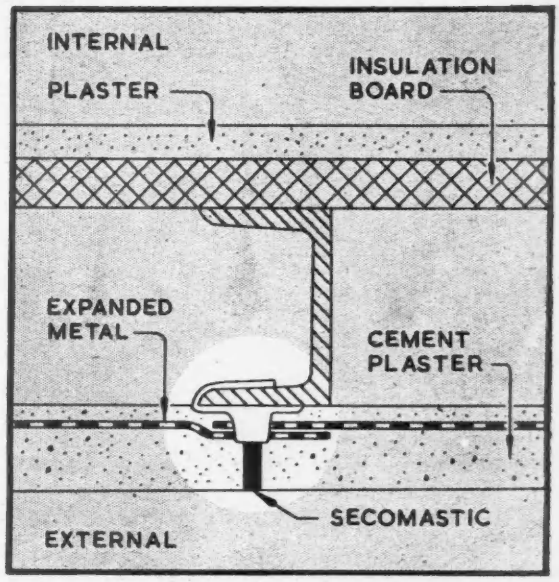

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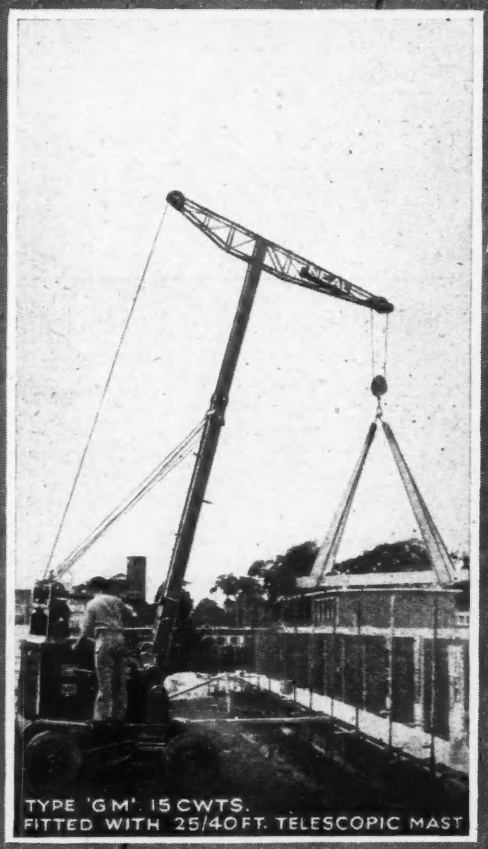

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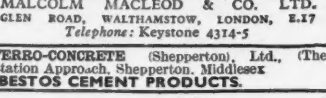

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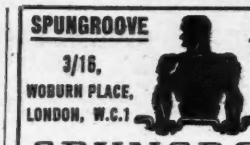

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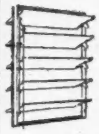

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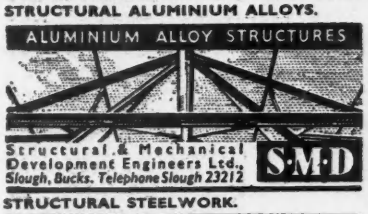

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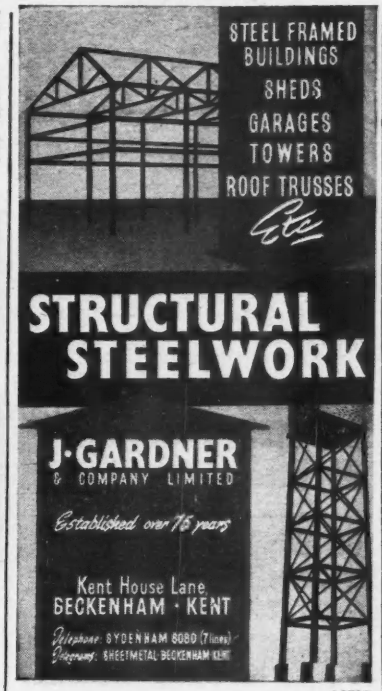

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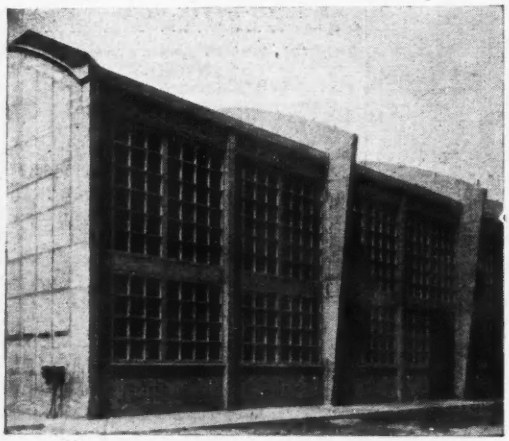

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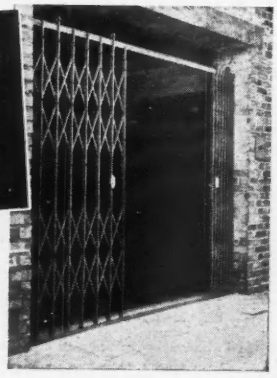

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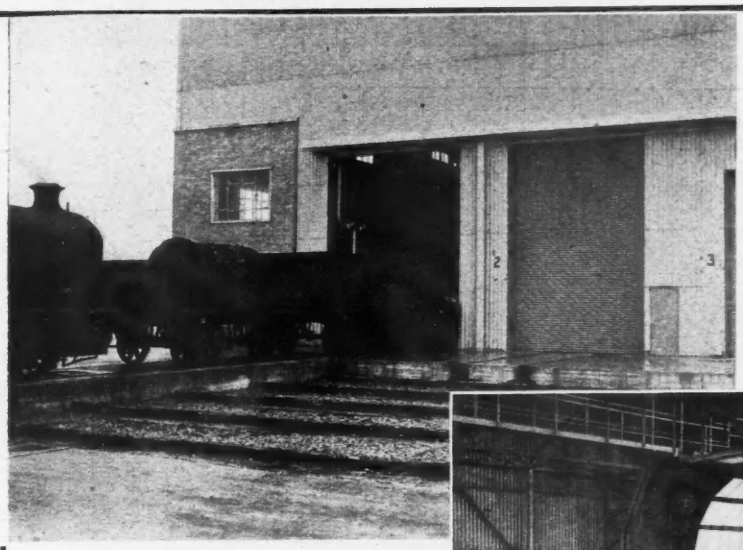

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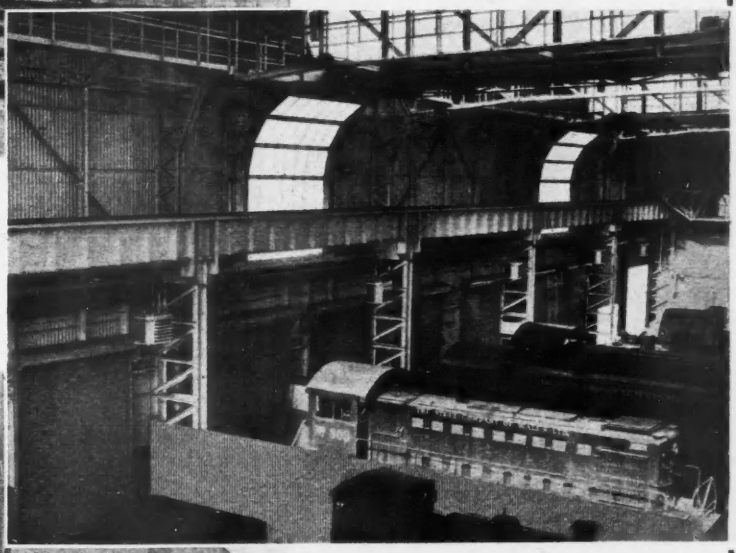

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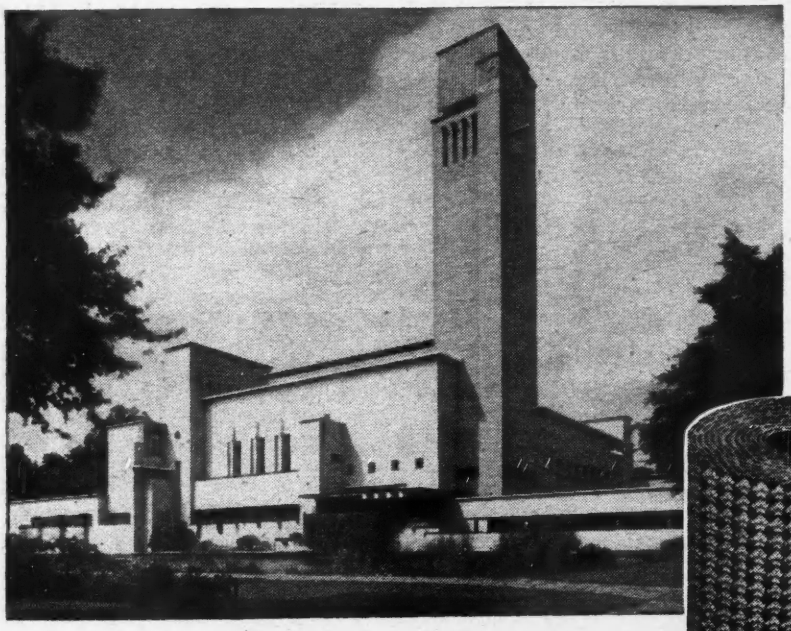

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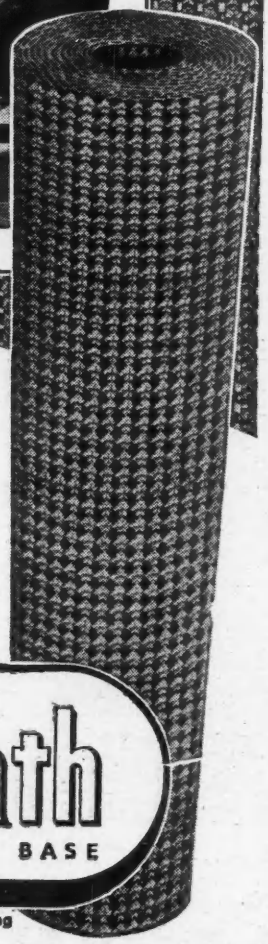

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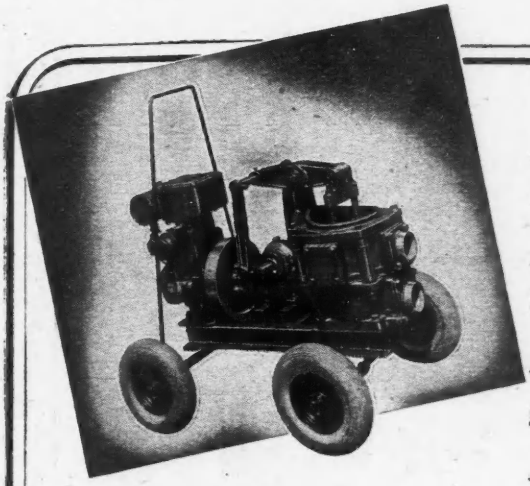

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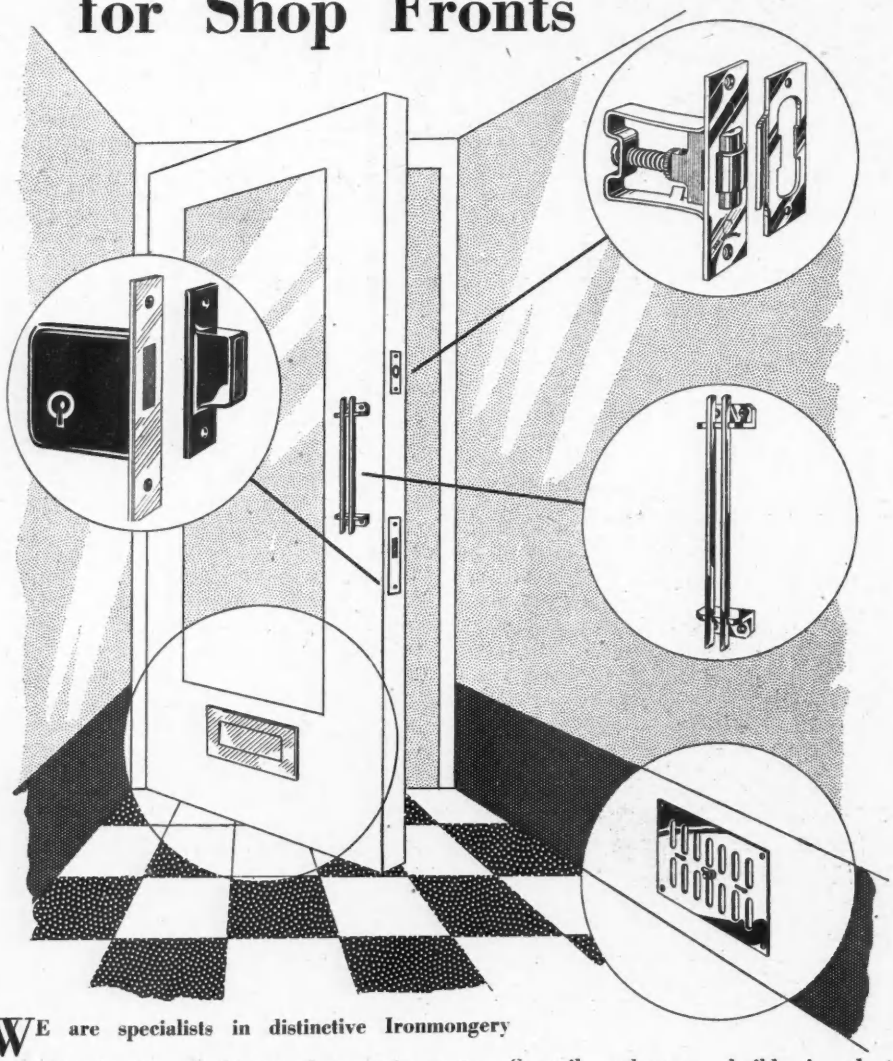

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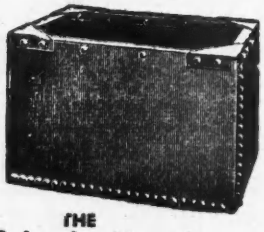
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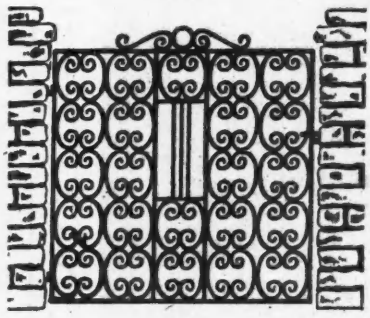
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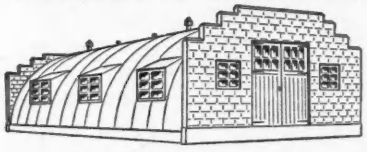

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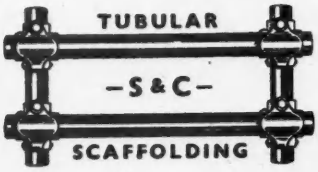

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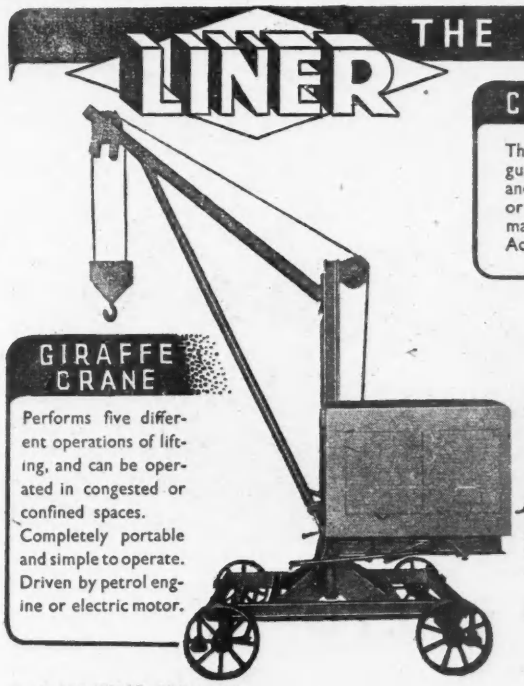

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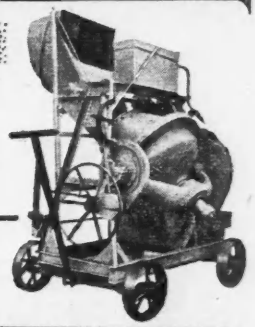

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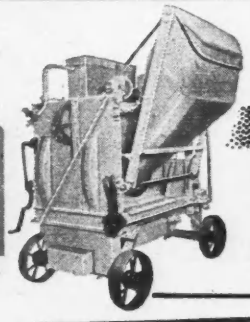

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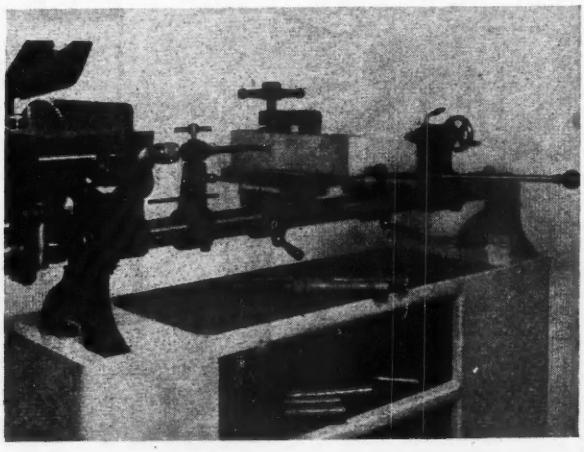

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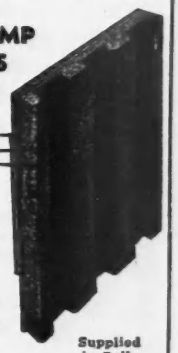

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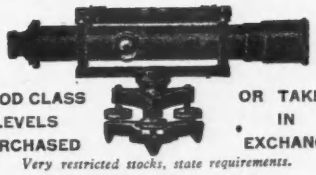

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WE have a vacancy for a MECHANICAL DRAUGHTSMAN, used to factory maintenance. The post offered is progressive and in the London area. Five-day week and pension scheme in operation.—Write, giving full details, to Box B.272, at 191, Gresham House, E.C.2.

DRAUGHTSMEN DETAILERS and DRAUGHTSMEN, with working knowledge of reinforced concrete, are invited to apply to us for progressive and responsible positions which are now open in the Bristol area.—Write, giving full details, to Box B.271, at 191, Gresham House, E.C.2.

ACOUSTIC SPECIALISTS require DRAUGHTSMAN. Knowledge of building construction and sheet metalwork an advantage.—H. W. C. & CO., Flowers-mews, N.19. Arch. 2662.

JUNIOR DRAUGHTSMAN Required to produce working drawings from preliminary designs, largely of Ornamental Mirrors, Mirrored Fire Surrounds, Cocktail Bars, etc.—Apply 455, Finchley-road, or 'phone: HAM 9482.

ARCHITECTS, South Coast Town, require experienced DRAUGHTSMAN. Thorough knowledge of Building Construction for working drawings and details. Unfurnished flat available for suitable man. Reply, stating age, salary, and experience.—Box 574, "The Builder."

DRAUGHTSMEN.—Several good men, experienced iron staircases, balustrading, light steelwork. Progressive posts to right men. South London. Fullest details.—Box 400, "The Builder."

STAIRCASE (Iron) DRAUGHTSMEN. Good opening for two or three experienced men. Good prospects. South-East London.—Details of experience and salary required to Box 401, "The Builder."

BALUSTRADING DRAUGHTSMEN Required. Capable site measuring and handling jobs, throughout. Progressive situation. Send fullest details.—S. W. FARMER & SON, Ltd., Lewisham, S.E.13.

DRAUGHTSMAN, with Cast Stone experience, required in Westminster area.—Write, stating age, experience, and salary required, to Box 587, "The Builder."

SENIOR SURVEYOR-ESTIMATOR required for permanent position with London Contractor. Commencing salary up to £1,000 p.a. Applicants must state details of previous experience in a similar capacity. Living accommodation could be provided. Box 399 "The Builder."

QUANTITY SURVEYORS Required by firm of London Contractors. Applicants must have wide experience of measuring work in progress, preparing interim certificates, final account, and settlement of contracts. Preference will be given to candidates who have been trained in a Quantity Surveyor's office.—Write Box 935, "The Builder."

BONUS Surveyors required for measuring on site and operating existing bonus scheme on various sites in the London area. Reply, giving details of previous experience, age and salary required, to Box 988, "The Builder."

ESTIMATING SURVEYOR (four-figure salary to right man) required by well-known Building Contractors for their Head Office in London. Must be thoroughly experienced and able to estimate for large building contracts. Superannuation scheme.—Write, in confidence, giving age and short details of career, to Box 993, "The Builder."

SURVEYOR/ESTIMATOR wanted. A progressive post, offering excellent opportunities for a keen man having had some previous experience. Contracts in London and Home Counties.—Write, giving full particulars, age, salary required, etc., to WALKER-SYMONDSON, Ltd., Braintree-road, Ruislip.

SURVEYORS (Quantity and Cost).—Experienced men required to work in Liverpool and North-West area. Essential requirements: high-class experience of all types of work and Builders' office procedure.—Apply, giving full details, to Staff Officer, Box 489, "The Builder."

ESTIMATING SURVEYOR required by medium-size firm Building Contractors in South-West Midlands. Use to preparation of Quantities, estimating, Interim and Final Accounts. Permanent position with modern house available for suitable applicant. —Apply, stating age, experience, and salary required, to Box 415 "The Builder."

MEASURING SURVEYOR required for North-West London Building Contractors Surveying and Estimating Department. Progressive position offered to a keen and competent man. Write detailing full experience, age and salary required. All applications will be replied to.—Box 416, "The Builder."

INTERMEDIATE and Senior outside MEASURING SURVEYORS urgently required for work chiefly in London area by City firm of London Quantity Surveyors. Please reply in full confidence. —Box 417, "The Builder."

CHIEF outside MEASURING SURVEYOR required at once by established firm of City Surveyors take complete charge of all variation accounts. Permanency with bonus and superannuation schemes offered to suitable applicant.—Box 418, "The Builder."

SURVEYOR/ESTIMATOR with first-class experience required, able to take full charge of medium-sized London Contractor's office, which offers good prospects. The firm is employed on cost-plus work.—Please write full particulars of experience and salary required to Box 456, "The Builder."

COST SURVEYORS with Building Trade Experience required immediately. Mobility essential. Excellent prospects.—Write, giving age, experience and salary required to PERSONAL MANAGER, JOHN LAING & SON, Ltd., London, N.W.7.

M. J. GLEESON (CONTRACTORS), Ltd., have vacancies for the following staff on Power Station at Fleetwood, permanent positions and good prospects, superannuation scheme after satisfactory trial period:—JUNIOR MEASURING SURVEYOR, MEASURING SURVEYOR, BONUSING AND COSTING CLERKS. Apply in writing, giving full details past experience, firms with whom previously employed, age and remuneration required.—Haredon House, London-road, North Cheam, Surrey.

QUANTITY SURVEYOR wanted for Housing Contractor's office in North Midlands. Applicants must have had a thorough training and be competent to deal with Contracts from commencement to final accounts. Write giving full particulars of age, training and experiences with dates and names of past and present employers, with approximate remuneration required, in confidence.—Box 490, "The Builder."

JUNIOR SURVEYOR Required to measure and agree Sub-Contractors' Accounts.—Age, experience and salary to A. T. ROWLEY (LONDON), Ltd., Cambridge Works, N.17.

LEADING NORTH-WEST AREA FIRM of CIVIL ENGINEERS and BUILDING CONTRACTORS invite applications from experienced CONTRACTORS' SURVEYORS for large contracts about to be commenced. These posts offer permanency and good prospects and a participation in the Company's Pension Fund to selected applicants.—All applications treated in confidence, full particulars giving details of experience, age and when available to Box 493, "The Builder."

CONTRACTOR'S SURVEYOR Required for large Power Station Contract conveniently situated to Liverpool and Manchester. Applications invited from candidates accustomed to this type of contract and to handling the usual responsibilities of Site Surveyor, including measuring, interim certificates and Sub-contractors' and own final accounts, etc. Progressive opportunities available to selected candidate. Accommodation provided if required. All applications will be treated in confidence.—Write, stating experience, age and when available, full particulars, to Box 491, "The Builder."

SENIOR MEASURING SURVEYOR required by London firm of Chartered Quantity Surveyors. Scope for advancement; 5-day week. Reply, giving details of experience, salary required, and when free, to Box 383, "The Builder."

LONDON FIRM OF QUANTITY SURVEYORS Urgently requires the services of a limited number of experienced building surveyors for work in connection with the assessment of War Damage claims in North-West and South-W London, also for work on other contracts in the London area. Thorough knowledge of current prices essential. Salaries £520-£650. Five-day week. Write fully, giving particulars of age, previous experience, etc.—Box 492, "The Builder."

CONTRACTORS' ASSISTANT MEASURING SURVEYOR Required for works of varied size and construction, mostly in South London and Suburbs. Good opportunity for man up to Inter. R.I.C.S. or I.Q.S. Standard to gain experience in Surveying Department of well-known East Surrey Contractors. —Write, giving particulars of age, experience, and salary expected, to Box 494, "The Builder."

CONTRACTORS' SITE BONUSING SURVEYORS and COST CLERKS required by leading Civil Engineering and Building Contractors for large contracting undertakings in Manchester area. Progressive careers and salaries commensurate with ability and progress made to selected applicants. Full particulars giving details of experience, age and when available invited.—Box 495, "The Builder."

JUNIOR SITE MEASURING SURVEYOR Required, Tunbridge Wells.—Apply, RICHARDSONS, Ronald Works, Slades Green, Erith.

MEASURING SURVEYOR or DECORATION ESTIMATOR Required by company in West London dealing with large and small contracts; experience of large industrial decoration an advantage. Superannuation scheme.—Write, giving experience, etc., to Box A.E.67, c/o CENTRAL NEWS, 17, Moorgate, London, E.C.2.

JUNIOR QUANTITY SURVEYORS Required, experience in measuring variations and sub-contractor's accounts. Permanent position with scope for advancement.—Apply in writing, giving full particulars of experience to Chief Surveyor, TROLLOPE & COLLS, Ltd., 41-44, Great Queen-street, W.C.2.

SENIOR QUANTITY SURVEYOR Required by Chartered Quantity Surveyors for responsible position on site in North of England. Only experienced man considered. Salary about £900. Plus subsistence. Please give full details of experience and qualifications.—Box 496, "The Builder."

FULLY EXPERIENCED QUANTITY SURVEYOR Required for Cardiff, by leading Building Contractors. Capable of working on own initiative to final account.—Age, experience and salary required to Box 419, "The Builder."

MEASURING SURVEYOR Required London area and Midlands. Preferably trained in a Contractor's office, with good knowledge of W.D. Schedule work. Apply, giving full particulars of age, details of experience during last 15 years, salary required, able to drive a car.—Box 497, "The Builder."

ESTIMATING SURVEYOR required (Guildford area) for estimating, Interim Certificates, Final Accounts. Apply, stating age and salary required.—Box 498, "The Builder."

SURVEYOR, for measuring variations and settling accounts, required by London Chartered Quantity Surveyors. Write, stating age, experience, and salary required.—Box 499 "The Builder."

HULL DISTRICT — BUILDER'S SURVEYOR with good experience of valuation for interim certificates and preparation of final accounts on medium-sized contracts, required for permanent post in the Hull District. Sound knowledge of building construction essential. Some experience of the W.D. Schedule an advantage. Interesting superannuable post with good staff conditions and annual bonus scheme available to suitable applicant. Assistance given with accommodation if required. Applications, in confidence, stating age, details of training and experience, commencing salary expected, and when free, to the Managing Director, F. Shepherd & Son, Ltd., Building and Civil Engineering Contractors, Blue Bridge Lane, York.

MEASURING SURVEYOR required by London firm of Chartered Surveyors. Position holds prospects of advancement. Write, stating qualifications and salary required, to Box 357, "The Builder."

BUILDING and Civil Engineering Contractors, Yorkshire, require ESTIMATING SURVEYOR. Must be thoroughly experienced in estimating for large contracts, both building and civil engineering. Salary in accordance with age and experience. Excellent prospects for the right type who shows initiative and enterprise. Superannuation scheme available after suitable probationary period.—Send full details of age, experience, qualifications, etc., to Box 473, "The Builder."

CHARTERED QUANTITY SURVEYOR urgently required by small professional office in Midlands. Position of responsibility, work varied, including industrial. £750 p.a. or more according to experience.—Box 547, "The Builder."

OLD-ESTABLISHED firm Builders in Eastbourne has vacancy for QUANTITY SURVEYOR and ESTIMATOR. Write age, experience, salary and when available.—Box 549, "The Builder."

THE LONDON ASSOCIATION OF BUILDERS' FOREMEN AND CLERKS OF WORKS

Memorial Hall, Farringdon Street, London, E.C.2

✱ Provides against Unemployment & Death

✱ Pensions for Aged Members or Widows

✱ Applications for Membership invited

Experienced Foremen and Clerks of Works can be obtained by applying to the Secretary,

Mr. J. S. Rigden
56, Priory Avenue, Cheam, Surrey
Fairlands 9640

JUNIOR SURVEYOR Required by Building Contractors as Assistant to General Manager. Excellent opportunities to study estimating, costing, site measuring. Reply in writing, stating full details of education, previous experience, etc., also wages required.—T. S. APPLETON, Ltd., 99-101, Goldhawk-road, London, W.12.

QUANTITY SURVEYORS, one SENIOR and one ASSISTANT, Required immediately. Salary according to qualifications and experience.—L. W. BARNARD & PARTNERS, Architects and Surveyors, 13, Imperial-square, Cheltenham, Glos.

LARGE old-established Painting Contractors require SURVEYOR/ESTIMATOR. Immediate contracts to handle Home Counties and South Coast. Write, stating salary required.—Box 554, "The Builder."

MEASURING SURVEYOR and WORKER-UP Required by West End firm of Chartered Quantity Surveyors for permanent staff. Five-day week.—Apply, stating age, experience, and salary required, to Box 903, "The Builder."

BUILDING SURVEYOR, aged about 35, for Alteration, Decoration and Jobbing work. Able to Estimate and Supervise. Salary about £600 p.a. Good conditions. Provident scheme. London area. State age and experience.—Box 588, "The Builder."

LONDON SURVEYORS urgently require services of ASSISTANTS experienced in the settlement of war damage claims. Up-to-date knowledge of pricing essential. Reply, giving details of past experience, age, etc.—Box 980, "The Builder."

CHARTERED QUANTITY SURVEYOR requires ASSISTANT for site measuring and settlement of accounts, South Wales. State experience, and salary required.—Box 501, "The Builder."

THE CO-OPERATIVE WHOLESALE SOCIETY, Ltd., invite application for the following appointment on the Staff of the Manchester Architect's Department: ASSISTANT QUANTITY SURVEYOR. Salary range £510 to £625 per annum. Applicants must have a sound experience in the preparation of Bills of Quantities, measuring and adjusting variations for large commercial buildings and able to undertake work with a minimum of supervision. The above appointment is permanent and offers prospects of up-grading to a competent Assistant. The successful candidate will be required to undergo a medical examination for entry into compulsory Superannuation Scheme.—Applications, stating age, experience, qualifications and commencing salary required to be addressed to the Chief Architect, CO-OPERATIVE WHOLESALE SOCIETY, Ltd., 1, Balloon-street.

ADDITIONAL office staff required. One ASSISTANT ESTIMATING SURVEYOR as assistant to Chief: also one COST CLERK, fully experienced and capable of rendering small accounts.—Apply, 16, Addington-square, S.E.5.

ASSISTANT SURVEYORS required by large firm of Building Contractors. Should be capable of measuring Sub-Contractors' work and assisting in preparation of interim Certificates and Final Accounts. Good prospects and salary for the right applicants. Apply in first instance, giving age, details of previous experience, and salary required, to Box No. 502, "The Builder."

A FIRM of Quantity Surveyors in Northern Ireland require ASSISTANTS for measurement of variations and preparation of final accounts. Good prospects for suitable applicants.—Write, stating age, full details of experience and qualifications, to Box 503, "The Builder."

ASSISTANT BUILDER'S SURVEYOR Required, capable of dealing with site measuring, interim certificates, sub-contractors' and final accounts. A permanent, progressive position for a keen, energetic man.—Write, stating experience, age and salary required, to CLAYDEN CONTRACTORS, Ltd., London-road, Spellbrook, Bishop's Stortford, Herts.

BUILDERS' ASSISTANT SURVEYOR Required. Young man preferred for progressive position, but experienced in site measuring, valuations, sub-contractors essential.—Write, giving full particulars of experience, age and salary, to Y. J. LOVELL & SON, Ltd., 17, Easton-street, High Wycombe.

CHARTERED QUANTITY SURVEYORS in Nottingham have vacancy for experienced SENIOR ASSISTANT capable of "taking-off" and agreeing measurements for final accounts without supervision. Must be up to standard of R.I.C.S. final exam., preference A.R.I.C.S.—Write, stating age, experience, and salary required, to Box 457, "The Builder."

BUILDING SURVEYOR'S ASSISTANT Required for Architect's and Surveyor's London office. Experience in making inspections and surveys, preparing specifications, etc. Experience of Public House work an advantage, but not essential. Five-day week. Salary up to £364 per annum. Firm's profit-sharing bonus in addition.—STEWART AND HENDRY, F./A./F.R.I.B.A., A.M.T.P.I., 220, Whitechapel-road, E.1.

JUNIOR TAKER-OFF required by London firm of Chartered Quantity Surveyors. Good prospects. Five-day week. Reply, stating experience, salary required, and when free.—Box No. 384, "The Builder."

FIRST-CLASS TAKER-OFF Required by London firm of Chartered Quantity Surveyors. First-class WORKER-UP also required. Permanent positions. Pension scheme available.—Please reply, in confidence, stating age, experience, salary required, and when free, to Box 977, "The Builder."

SENIOR TAKER-OFF required by London firm of Chartered Quantity Surveyors. Good prospects. Five-day week. Reply stating experience, salary required and when free, to Box 504, "The Builder."

EXPERIENCED TAKER-OFF and OUTSIDE SURVEYOR to supervise large and interesting contracts Required in London Chartered Quantity Surveyor's office. Five-day week. High salaries will be paid to experienced men.—Reply, Box 505, "The Builder."

CHARTERED QUANTITY SURVEYORS Require Experienced TAKER-OFF for their head office in London. Salary according to age and experience. Pension scheme after probationary period. No Saturdays.—In reply please give full details of age, experience, and salary required, to Box 506, "The Builder."

LONDON FIRM of CHARTERED QUANTITY SURVEYORS require Junior TAKER-OFF. Should have passed the final examination of the R.I.O S.—Please reply, giving full details of experience, age, and salary required, to Box 507, "The Builder."

OLD-ESTABLISHED LONDON QUANTITY SURVEYORS require the following assistants for permanent situation. The commencing salaries stated hereunder will be subject to review at regular intervals, and are exclusive of overtime. Five-day week.
EXPERIENCED TAKER-OFF—£18 per week.
TAKER-OFF—£10—£15.
JUNIOR TAKER-OFF—£9 per week.
SENIOR WORKER-UP—£600 per annum.
W.-U. (min. 3 years' experience)—£7 per week.
—Box 508, "The Builder."

CHARTERED QUANTITY SURVEYORS in the Midlands require TAKER-OFF. Good prospects. State age, experience, and salary desired.—HENRY VALE & SONS, 21, Waterloo-road, Wolverhampton.

TAKER-OFF Required in London Chartered Quantity Surveyors' office. Write, stating age, experience, and salary required.—Box 509, "The Builder."

EXPERIENCED TAKER-OFF (preferably qualified) required by London firm of Chartered Quantity Surveyors. Good salary and permanency offered to suitable applicant.—Apply, stating age, qualifications and experience, to Box 510, "The Builder."

LONDON FIRM of Quantity Surveyors requires experienced TAKERS-OFF and WORKERS-UP, also MEASURING SURVEYORS, with knowledge of W.D. Schedule. Permanent appointments, with good prospects for advancement if satisfactory.—Reply, stating experience, and salary required, to Box 555, "The Builder."

LONDON CHARTERED QUANTITY SURVEYOR will shortly be requiring the services of a highly experienced TAKER-OFF, JUNIOR TAKER-OFF, SENIOR and JUNIOR WORKER-UP and COMPTOMETER OPERATOR. The appointments will carry good salaries.—Applicants should state age, training, experience, and salary required, to Box 407, "The Builder."

SENIOR WORKERS-UP required on permanent staff of City firm of Chartered Quantity Surveyors. Reply giving details of experience and salary required to Box 511, "The Builder."

WORKER-UP. First-class, experienced Worker-up Required to take charge of work on large Contracts. Salary according to experience.—Apply, giving full details to HORACE W. LANGDON & EVERY, Kingsway House, Kingsway, W.C.2.

CHARTERED QUANTITY SURVEYORS Require Experienced WORKER-UP for their head office in London.—In reply please give full details of age, experience and salary required, to Box 512, "The Builder."

TWO thoroughly reliable WORKERS-UP Required. —Apply, stating experience and salary asked to HARRIS & PORTER, 3, Robert-street, Adelphi, W.C.2.

TEMPORARY PART-TIME WORKER-UP Required by Quantity Surveyor N.W. London district.—Write, stating experience and terms, to Box 513, "The Builder."

EXPERIENCED WORKER-UP Required by London Quantity Surveyors.—Apply, stating age, experience, and salary required, to Box 571, "The Builder."

JUNIOR ENGINEER Required with Experience to Supervise and assist in design of Specialised Suspended Floor. Also to prepare Interim Valuations. Reply in detail, giving full particulars past experience, age and remuneration required.—Box 514, "The Builder."

ENGINEER/AGENT Required to take complete charge of the construction of foundation works on a Power Station in the Lancs area. Applicants must have vast experience of reclamation work, piling, concrete foundation work and use of modern plant. Permanent position. Superannuation Scheme after satisfactory period. Write, giving full details of past experience, names of present and past employers, and remuneration required.—M. J. GLEESON (CONTRACTORS), Ltd., Haredon House, London-road, North Cheam, Surrey.

REINFORCED CONCRETE ENGINEER Required by large industrial organisation for service in the Middle East. Must have had at least two years' experience as Foreman in charge of erection of shuttering, reinforcing and placing concrete, be capable of working to drawings without supervision, and able to control and direct labour. Age not over 35. Attractive salary, plus generous allowance in local currency. Free passages out and home, medical attention and kit allowance. Pension Scheme. Good leave arrangements.—Write, stating age, personal particulars, and full details of qualifications and experience, quoting Department F.43, to Box 2923, at 191, Gresham House, E.C.2.

CLERK OF WORKS Required for restoration of important London Wren Church, preferably expert in carpentry and experienced in church-work. Write, giving details of experience, references, and salary required.—Box 478, "The Builder."

ESTIMATOR/SURVEYOR Required for medium-sized Contractors, East Berkshire, on Council Housing and W.D. Contracts. Applicant should have good knowledge of W.D. Schedule and experience in handling contracts up to £60,000, from inquiry to final account. Age 35—50. State experience, salary required.—Box 420, "The Builder."

ESTIMATOR/SUPERVISOR of sound experience and qualifications Required by W. J. MITCHELL & SON, Ltd., Dulwich Village, S.E.21, to whom apply stating age, experience and salary.

ESTIMATOR/SURVEYOR Required by London Quantity Surveyors. Must have experience in competitive tendering for all classes of work, including preparation of variation accounts. Opportunity for Contractors' Surveyor wishing to join a professional firm. Salary commensurate with experience.—Write, stating age, experience and salary required. Box 515, "The Builder."

LONDON QUANTITY SURVEYORS engaged in preparation of Tenders and Variation Accounts for Contractors, require CONTRACTOR'S ESTIMATOR and ASSISTANT ESTIMATOR. Must have experience in preparation of estimates from bills of quantities, plans and specifications. Salary in accordance with ability and experience. Reply, stating full details and approximate salary required.—Box 516, "The Builder."

ESTIMATOR/SURVEYOR Required for Building Contractors covering London and Kent area from office at Orpington. Responsible position for keen man able to work on own initiative. Apply in writing.—POVEN CONSTRUCTION CO., Ltd., Anglesea Works, St. Mary Cray, Kent.

WANTED IMMEDIATELY SUPERVISOR/ESTIMATOR for Building business, Hatfield area. Must have had extensive experience pricing and supervising small and medium-size Contracts, including jobbing work. Progressive position.—Age, salary, fullest details experience, to Box 517, "The Builder."

SENIOR ESTIMATOR Required by medium-sized Building Contractor, near Reading. Must be capable of estimating for Jobbing works and medium-sized Contracts, preparation of Interim Certificates and Final Accounts. Write stating age, qualifications, salary, etc.—Box 518, "The Builder."

BUILDING ESTIMATOR Required, thoroughly conversant with Building Estimating and Quantities for Industrial Buildings.—Write, stating age, education, experience, salary required, to E.M.A., CADBURY BROTHERS, Ltd., Bournville.

ESTIMATOR/SUPERVISOR Required by medium Builders North-East London. Immediate start. Contracts to £10,000. Scope for energetic, practical man.—Box 539, "The Builder."

EXPERIENCED ESTIMATOR/SURVEYOR Required by old-established S.E. London Contractors. Fully capable and experienced in competitive tendering for all classes of work, including preparation of final accounts.—Reply, stating age and salary required, with details of experience and training, to Box 544, "The Builder."

SENIOR ESTIMATOR AND SURVEYOR Required for South-East Coast Building Contractors. All applicants to be fully trained in work of all types. Modern house and use of car available.—Apply, giving full details and particulars, to Box 408, "The Builder."

CHIEF ESTIMATOR/SURVEYOR Required by old-established Engineering and Building Contractors in the Essex/London area, engaged mainly on factory construction, extension, and maintenance. Experience is required in estimating for Civil Engineering as well as building work, but management of contracts is not one of the duties. Salary approximately £900 per annum, depending on experience and ability. The appointment is pensionable.—Applicants should write, giving details of their age, education, qualifications and experience, to Box 405, "The Builder."

REQUIRED.—Experienced ESTIMATOR for all types of construction work. Excellent prospects.—Please reply in confidence to Box 404, "The Builder."

ESTIMATOR Required for Building Branch of Civil Engineering firm in Croydon area. Experience of estimating all types of work including reinforced concrete, essential. Reply, stating age, experience, and salary required.—Box 398, "The Builder."

TERRAZZO CONTRACTORS (old established) require for London office an experienced ESTIMATOR, able to take off quantities and conduct relevant correspondence. Permanent, progressive position. Write fully experience, salary required.—Box 179, ALLARDYCE PALMER, Ltd., 109, Kingsway, London, W.C.2.

REQUIRED, DEPUTY to Design Manager for Engineering Department in Birmingham. Should have all-round experience of reinforced concrete design and able to control staff. The minimum age is 32 years, and the post offered is permanent and progressive, salary according to qualifications and experience. Five-day week and a Pension Scheme are in operation.—Write, giving full details to Box B.991, at 191, Gresham House, E.C.2.

CONTRACTS MANAGER Required by medium-sized London Contractors. Must be fully experienced, with thorough knowledge of current labour rates. Will work directly under Director in charge of construction. Permanent post with prospects.—Replies to state, age, experience and salary required to Box 519, "The Builder."

PLYMOUTH JOINERY MANUFACTURERS require a fully experienced MANAGER, capable of estimating and assuming complete responsibility for administration and practical operation of the business. Consideration only given to applicants with first-class purpose-made joinery.—Age, experience, and salary required, to Box 421, "The Builder."

EAST LONDON MAINTENANCE BUILDER Requires MANAGER. Able to Estimate and Drive essential.—Box 537, "The Builder."

CONTRACTS MANAGER Required by old established S.E. London Contractors. Persons applying must have had extensive experience in Building, and be capable of supervising various large works in progress, able to control and accept responsibility in both the handling of General Foremen and the efficient running of such Contracts from setting out to final completion. Only persons with such capabilities and experience and who can produce evidence of satisfactorily having carried out similar duties should apply, giving details, age, and salary expected, to Box 543, "The Builder."

MANAGER Required for Civil Engineering Department in North Midlands. Capable of designing foundations and structures, estimating, supervising construction, measuring and negotiating final accounts. Bonus and Superannuation Scheme. Generous salary. State experience.—Box 472, "The Builder."

REQUIRED, by old-established firm of London Builders, thoroughly competent MANAGER to handle contracts up to £150,000 each. Must have good knowledge of office organisation and conversant with current pricing and quantities. Used to dealing with Architects direct. Salary up to £1,200 for right man.—Box 406, "The Builder."

REPRESENTATIVE wanted by well-known precast concrete floor specialists for Gloucestershire, Somerset, Devonshire and Cornwall. Technical knowledge desirable. Salary, Commission, Expenses, Car. Please write details of education, training and experience to Box 562, "The Builder."

ENERGETIC YOUNG ASSISTANT Required for Buying and Costing by a large firm of Building Contractors (London S.W.1.). Previous experience and good knowledge of construction essential. Excellent conditions and prospects.—Write giving age, experience and salary required to Box 422, "The Builder."

BUYER wanted by well-known firm of Building Contractors in North Midlands. Must be thoroughly experienced in Housing materials and with a good knowledge of quantities. Applications will be treated in confidence. State age, experience, and salary required.—Box 520, "The Builder."

ELECTRICAL INSTALLATION. — Contractors require REPRESENTATION in London and South, also Midlands and Lancashire and Yorkshire. Gentlemen who have connections with architects and builders and are prepared to accept a commission basis should apply, giving particulars, to Box 522, "The Builder."

REPRESENTATIVE Required by Asphalt Roofing and Flooring Contractors. Must have first-class sales connection with municipal authorities, architects, builders, etc.—Box 521, "The Builder."

REQUIRED by old-established Building Contractors in Westminster area, a YOUNG MAN to train as Assistant in Buying Department. Alternate Saturdays. Pension scheme. Age between 21 and 30.—Write, giving details of experience, age, etc., to Box 546, "The Builder."

REQUIRED.—YOUNG MEN, 20 to 25 years of age, to train for Sales Staff. Salary from £300 to £400 per annum. Applicants should have a knowledge of building construction. Vacancies are in the Liverpool and London areas.—Write, giving full details, to Box B.277, at 191, Gresham House, E.C.2.

COST CLERKS Required for building sites in London area. Must be fully experienced in measuring and costs system.—Please apply in writing to TERSONS, Ltd., 1, Seward-street, Goswell-road, London, E.C.1.

YOUNG LADY Required to train as Secretary in London Quantity Surveyors' Office. Salary by arrangement. Shorthand, typing and references essential. Write, stating age and experience.—Box 423, "The Builder."

BUILDERS' CLERK, with good general office experience in the trade and willing to interest himself in, and eventually manage, a bonus scheme for all types of building work, required by—W. VARNEY, Ltd., Building Contractors, Windsor.

WEST LONDON BUILDERS Require Book-keeper/Shorthand-typist. Male or Female. Must be experienced. Salary £7 per week.—Box 424, "The Builder."

SITE MEASURING CLERK Required for Measurements and Checking against Labour Costs on various medium-sized contracts. South-West area.—Box 523, "The Builder."

WAGES CLERK Required for a Firm of Building Contractors in Wiltshire, pay roll approximately 400.—Write giving details of experience, age and salary required, to Box 524, "The Builder."

WANTED IMMEDIATELY, competent BUILDERS' CLERK for Building business, Hatfield area. Good Book-keeper, sound knowledge costing, pricing and accounts. Progressive position.—Age, salary, full details experience to Box 525, "The Builder."

TIMEKEEPERS Required for London and Lancs areas. Must be fully conversant with P.A.Y.E. and Holiday pay. Write, giving full details past experience, names of previous employers, age and remuneration required.—M. J. GLEESON (CONTRACTORS), Ltd., Haredon House, London-road, North Cheam, Surrey.

COST CLERK, experienced in "Recoverables" on large Building Contracts, required by Chartered Quantity Surveyor for similar work in London; 5-day week. State age, experience, salary required, and when free to commence duties.—Box 356, "The Builder."

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CLERK OF WORKS desiring change seeks appointment with private Architects in London area, 38 years' experience in all classes. Indentured C. and J.—Box 441, "The Builder."

CLERK OF WORKS, disengaged, extensive experience, highest references from London Architects.—49, Highview-avenue, Edgware, Middlesex.

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Auction Sale, 12th OCTOBER, 1950. Auctioneers:
RICHARD AUSTIN & WYATT,
FAREHAM. (Tel.: 2211.)

By Order of Owners.

LIGHTWATER, SURREY.

JOSEPH HIBBARD & SONS

will sell by Public Auction, upon the premises of Lightwater Saw Mills at Ambleside-road, Lightwater, near Bagshot, on TUESDAY, 10th OCTOBER, 1950, at 1 o'clock,

DRY ENGLISH TIMBER

cut S/E and through and through. 10,000 ft. cube 2-in. and 3-in. Oak, 3,000 ft. cube 1-in. Oak, 4,500 ft. cube 2-in. and 3-in. Elm, 1,500 ft. cube 2-in. and 3-in. Chestnut, 1,000 ft. cube Fir and Spruce, Round Timber. (A quantity of above is suitable for FARMERS and SMALL USERS.)

SAW MILL AND HAULAGE PLANT.

60-h.p. Ruston Hornsby 4-cylinder Vertical DIESEL ENGINE, TWO AUTOMATIC ROLLER RACKSAW BENCHES, Push Bench, Bearings, Pulleys, etc., Motor and Starter, Small Tools, Winches, etc., "UNIPOWER" PETROL TRACTOR and HAULAGE VEHICLE, "FORDSON" PETROL/PARAFFIN AUTO WINCH TRACTOR, Fordson Auto Tractor, Two FORD V8 SIX-WHEEL LORRIES (1946/47), Timber Carriages, etc.

10 TIMBER-BUILT ERECTIONS.

On View Friday, Saturday morning and Monday previous to Sale.

Catalogues upon application to the Auctioneers' Offices at 15, NEWINGTON GREEN, ISLINGTON, LONDON, N.16.

By Order of Messrs. W. H. Wedlock, Ltd.

ORPINGTON, KENT.

MESSRS. NICHOLAS

will SELL BY AUCTION, at The Grange Estate, Crofton-road, Orpington, on WEDNESDAY, 25th OCTOBER, 1950,

SURPLUS BUILDERS' STOCK AND PLANT,

including

Sheet Lead and Pipes, Iron and Earthenware Pipes, etc., Tanks, Cisterns and Sanitary Goods, Tubular and Other Scaffolding, Ladders, etc., R.S.J.s, Steel Joists and Channels, Concrete Lintols, Two Concrete Mixers, Doors and Window Frames, Paints, Ironmongery, Wallpapers, Eight Portable Wooden Sheds, One 2-ton Ford Lorry, and many other useful items.

Catalogues may be obtained from the Auctioneers' Offices, 4, Albany Court Yard, Piccadilly, W.1. Telephone: Regent 3377 or 0293.

THURSDAY, 12th OCTOBER, 1950.

LOVEDEAN BUILDERS, LTD.
(in Compulsory Liquidation).

HAMBLEDEN-ROAD, DENMEAD.

(Hambledon 3 miles, Waterlooville 4 miles, Portsmouth 10 miles).

RICHARD AUSTIN & WYATT

have been favoured with instructions from J. S. Bradley-Hole, Esq., F.A.C.C.A., the Receiver, to sell by Auction, on the premises as above, at 10.30 a.m., the whole of the

BUILDERS' PLANT, STOCK AND EQUIPMENT

including:

1949 BEDFORD 5-TN LORRY, DENNIS 4-TON LORRY, Chevrolet 3-ton Lorry, 2 Morris Isis Motor-Cars, Four-wheel Trailer, WILMAC BANDSAW, FRENCH SPINDLE MOULDER, OVERHAND PLANER, RISE AND FALL SAWBENCH MORTICE MACHINE, HEAVY-DUTY DRILL, 4 BROOKS 4-h.p. ELECTRIC MOTORS, PAINT-SPRAYING MACHINE, Portable Office, Nissen Hut, 106 new Metal Windows, 44 Metal Windows in wood surrounds 6 Churchill Builders' Jacks, 10 sets of Kitchen Units, 6 Dressers, 3 Beeston Boilers, 10 cwt. Galvanised Wall Ties, Scaffold Boards, Water Piping, Concrete Posts, Electric Cable Conduit Fittings, New Electrical Equipment, Chain Link Fencing, Brass Butt Hinges, Door Furniture, Drain Pipes, Guttering, and quantities of prepared Joinery, 2 Desks, Office Furniture, 8 Fluorescent Lights, quantities of Paints, Distempers, Nails, Screws, Bricks, Tiles, Plumbers' Fittings, etc., etc.

On view day prior to and morning of sale.

The freehold property will be offered for sale at 12 o'clock.

Catalogues from the Auctioneers: 79 HIGH-STREET, FAREHAM (Tel.: 2211-2), and at Bishop's Waltham, Southampton and Fawley, and from the Receiver's Offices: Messrs. A. E. ORBELL & CO., Certified Accountants, 6 and 7, OLD STEINE, BRIGHTON, 1 (Tel.: 22209).

FREEHOLD PROPERTY IN CENTRE OF SUTTON'S SHOPPING AREA.

No. 6, GROVE-ROAD.

Detached House, containing Hall, 10 Rooms, etc. AND VALUABLE SITE FOR DEVELOPMENT, having Frontages to Grove and Cheam-roads. WITH VACANT POSSESSION.

For Sale by AUCTION at the St. James's Estate Rooms, 6, Arlington-street, St. James's, S.W.1, on WEDNESDAY, 11th OCTOBER next, at 2.30 p.m. (unless sold privately).

Solicitors: Messrs. J. E. DELL & LOADER, 22/23, Regency-square Brighton, 1.

Particulars from the Auctioneers:
HAMPTON & SONS, LTD.,
6, ARLINGTON-STREET, ST. JAMES'S, S.W.1.

G. R.

By Order of the MINISTER OF WORKS.

MESSRS.

FULLER, HORSEY, SONS AND CASSELL

have been instructed to offer for SALE by AUCTION in Lots at the PEACOCK HOTEL, YEADON, YORKS, on FRIDAY, 20th OCTOBER, 1950, at eleven o'clock precisely,

NEW SURPLUS HOUSING EQUIPMENT AND STORES

lying at the M.O.S. DEPOT, HARROGATE-ROAD, YEADON,

including 2,270 Copper Hot Water Cylinders 18 in. diam. × 30 in.; 740 Copper Cold Water Cisterns; 600 Electric Immersion Heaters; 400 Domestic Built-in Electric and Gas Wash Boilers with Spares; 140 Domestic Built-in Gas Cookers with Spares; "Wood Panelled Doors; "Siesta" Heating Stoves with Spares; Fireplace Sets and Hearths; Enamelled Iron Vegetable Cupboard Tops; Baths; Basins; Copper Ball Floats and Valves; Flush Cisterns; Mortise Latches; Door Furniture; Ironmongery; Bib Cocks; Building Materials; Electric Control Panels; Brass and Copper Fittings; Refrigerator Spares; Electrical Fittings; Insulated Hot Water Cylinder Jackets, and numerous other effects.

Catalogues, 6d. each, admitting two persons on View Days (Tuesday, Wednesday, Thursday preceding Sale) and one on Sale Day, may be had, when ready, of Messrs. FULLER, HORSEY, SONS & CASSELL, Industrial Auctioneers and Valuers, 10, BILLITER-SQUARE, LONDON, E.C.3. Tel.: Royal 4861.

VERYARD & YATES.

Established 1896.

Specialists in Sales by Auction of Builders' Plant, Stock, Machinery, Timber, Demolition Material, etc.

Valuations prepared.

373, NORWOOD-ROAD, S.E.27.
TULse Hill 3451/3.

By Order of Messrs. R. M. Turner & Hunters, Ltd. To clear the site.

BRAINTREE, ESSEX.

JOSEPH HIBBARD & SONS

will sell by PUBLIC AUCTION upon the PREMISES, HOWLETTS BRICK YARD, SKITTS HILL, on TUESDAY, 3rd OCTOBER, 1950, at 1 o'clock,

STOCK OF DRY ENGLISH HARDWOOD.

Cut through and through and comprising 10,000 ft. cube OAK, 6,000 ft. cube ELM, 3,000 ft. cube ASH, 1,000 ft. cube CHESTNUT, 1,000 ft. cube SYCAMORE, LIME, etc.

On view Friday, Saturday morning and Monday previous to sale. Catalogues upon application to the Auctioneers' Offices at 15, NEWINGTON GREEN, ISLINGTON, LONDON, N.16.

By Order of the Receiver and Manager, Leslie B. Prince, Esq., F.C.A. Re: Unirok Limited.

PORT TALBOT, GLAM.

HENRY BUTCHER & CO.

are instructed to offer for SALE BY TENDER, AS A GOING CONCERN, the

BUSINESS & ASSETS of UNIROK LIMITED

(Plaster Manufacturers)
including
THE GOODWILL OF THE BUSINESS
also the
LEASEHOLD LAND & BUILDINGS
(adjacent to CROWN WHARF DOCK)
containing a
FLOOR SPACE OF APPROX. 13,500 SQ. FT.
and a
SITE AREA OF 5.12 ACRES
together with the
MODERN PLANT & EQUIPMENT
including

10-TON CAP. COAL FIRED KETTLE. 34 ft. 6 in. × 6 in. COKE FIRED ROTARY DRUM DRYER. CHAIN AND BUCKET ELEVATORS. CONTINUOUS BELT ALTERMATIC STOKER SCREW CONVEYORS. "Niagara" 8 ft. × 3 ft. 6 in. Single Deck Vibrator. STEEL CONSTRUCTED HOT PIT. 25 TONS CAP. "BRYCE" 500 K.V.A. TRANSFORMER. "BRITISH JEFFREY DIAMOND" SWING HAMMER PULVERISERS AND PULMAC MILLS. HOT AIR MUFFLE AND PRE-HEATING FURNACE. CATERPILLAR D.4 TRACTOR. DRAG SCRAPERS AND FEEDERS. ELECTRIC MOTORS AND EQUIPMENT. 150 YDS. STANDARD GAUGE TRACK. STEEL STORAGE BINS UP TO 500 TONS CAP. AUTO SACK PACKERS. WEIGHERS AND FILLERS. OFFICE FURNITURE, FIXTURES AND FITTINGS. "LEYLAND" OCTOPUS 15-TON 1949 DIESEL TRUCK. "COMMER" 1948 5/6-TON DROPSIDE LORRIES.

Tenders must be in a sealed envelope marked "Tender re Unirok Ltd." and addressed to HENRY BUTCHER & CO., 73, CHANCERY-LANE, LONDON, W.C.2, and delivered by 12 NOON on THURSDAY, 26th OCTOBER, 1950.

Tender Forms (when ready) and Orders to View, may be obtained of:
Messrs. LESLIE B. PRINCE, SIMON & CO., Chartered Accountants, PALMERSTON HOUSE, BISHOPSGATE, LONDON, E.C.2, of:
Messrs. ELVY ROBB & CO., Solicitors, BANK BUILDINGS, 16A, ST. JAMES'S-STREET, LONDON, S.W.1, and of:
Messrs. HENRY BUTCHER & CO., Auctioneers, Valuers & Surveyors of Factories, Plant and Equipment, 73, CHANCERY LANE, LONDON, W.C.2. Telephone: HOLborn 8411 (8 lines).

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WAR DAMAGE CLAIMS, GENERAL MAINTENANCE WORKS, VALUATIONS and PROPERTY SURVEYS FOR ALL PURPOSES. FURNITURE VALUATIONS and ALL MATTERS APPERTAINING TO TOWN & COUNTRY PLANNING ACT, 1947, LOCAL GOVERNMENT ACT, 1948, ALSO RATING APPEALS

Offices: 407, HOLLOWAY ROAD, LONDON, N.7
Telephone: NORTH 5001 (10 lines)
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Established 1877

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VERYARD & YATES

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FORTHCOMING AUCTION SALES

Oct. 10th. West End. Northolt.
TIMBER, PLANT & STOCK, including Bedford Truck, 2 Mechanical Saw Benches, Hydraulic Hoist, Weighing Machine, Floorboards, Joists, Quartering, Paint, R.S.Js., Sashes, Doors, about 6,000 Tiles, 15,000 Slates, R.W. Goods, Garage Doors, Sinks, G.I. Tanks, L.C.C. Pipe, W.W. Preventers, and misc. effects.
View day prior and morning of Sale.

Oct. 12th, Snaresbrook Stn. Approach, E.11
BUILDING MATERIAL, PLANT, OFFICE FURNITURE and STOCK, inc. Hand Mortise Machine, Lifting Tackle, Scaff. Boards, Brick Crusher, L.C.C. Pipe, Ladders, MORRIS Lorry, about 1,600 ft. Tub. Scaffolding, Mixer, Hand Trucks, Block Making Machine, Oak Bookcases, Table, Filing Cabs., etc.
View day prior and morning of Sale.

Catalogues, when ready, available from the Auctioneer's Head Office:

373, NORWOOD ROAD, S.E.27 **'Phone: TULse Hill 3451-2-3**

At 4, Conduit Court, Long Acre, London, W.C.2, on Wednesday, October 11th, 1950, at 10.30 a.m.

STOCK OF PLUMBING CONTRACTOR, *comprising*

500 gross Screws; 1 ton Nails; 2 ton Pipe Fittings; Metal Valves to 2½ in.; 200 Bibcocks; 1 ton Bolts; ½ ton Brackets; Bath and Lavatory Fittings; Lagging; Gaskets; Pumps; 5 sets Lifting Tackle; Quantity Ironmongery, etc.
4 Air Compressors; Air Line Valves; Vauxhall, Hillman and Ford Spares.

Also

STOCK OF ELECTRICAL CONTRACTOR, *comprising*

25 tons Ironclad Switch and Fuse Gear up to 500 amps.; 600 Bulkhead and Watertight Fittings; 60 Heavy Junction Boxes; 150 Dugdale Brackets; 500 Benjamin and G.E.C. Shades; Conduit Fittings; Switch Plugs; Thermostats; Bells; Indicator Boards; 35 Large Electric Exhaust Fans; 50 Ceiling ditto; 3 tons Jointing Compound; Electric Boilers; 150 Panel Heaters; Large quantity Cable; 5 Bridge Meggers; Test Meters; Many items of Accessories; Philora Transformers; 400 P.A. Loudspeakers;
25 A.C. Motors, 1 to 15 h.p.

On view two days prior and day of Sale.

Catalogues of the Auctioneers:

WEST CENTRAL MERCHANDISE MART,
4, Conduit Court, Long Acre, W.C.2.

'Phone: TEMple Bar 0233/4. 'Grams: LOUDSIGS, RAND, LONDON.

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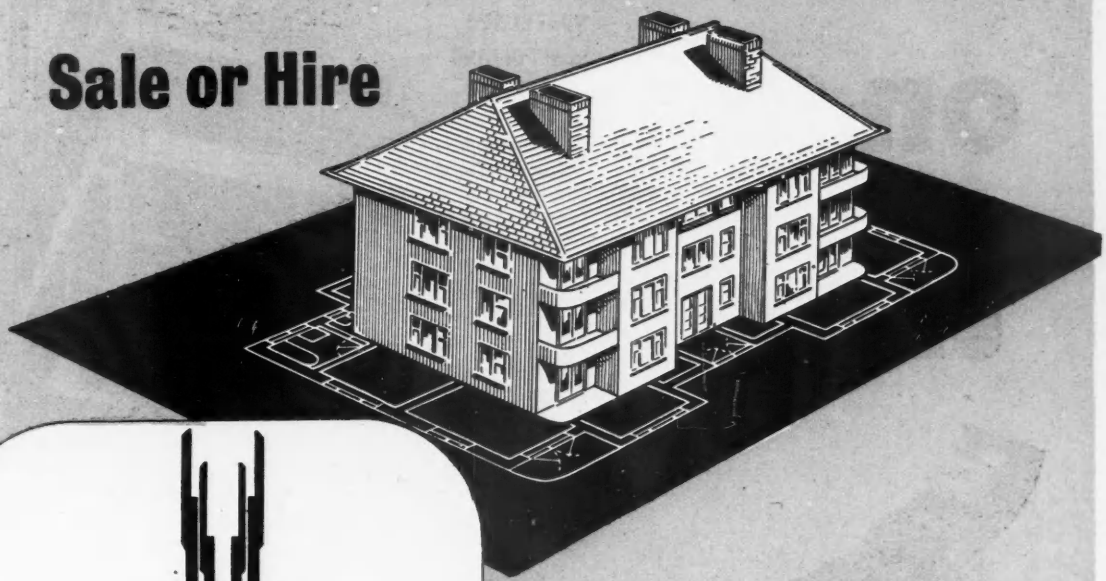

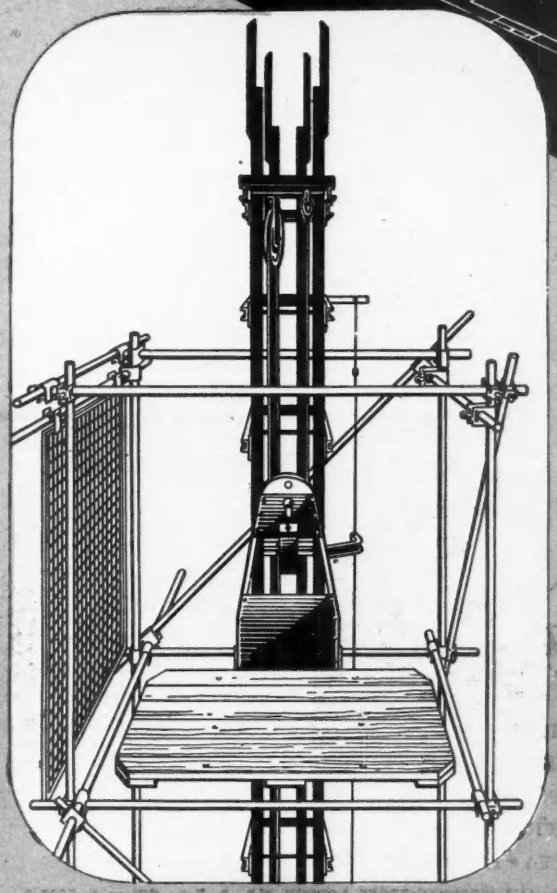

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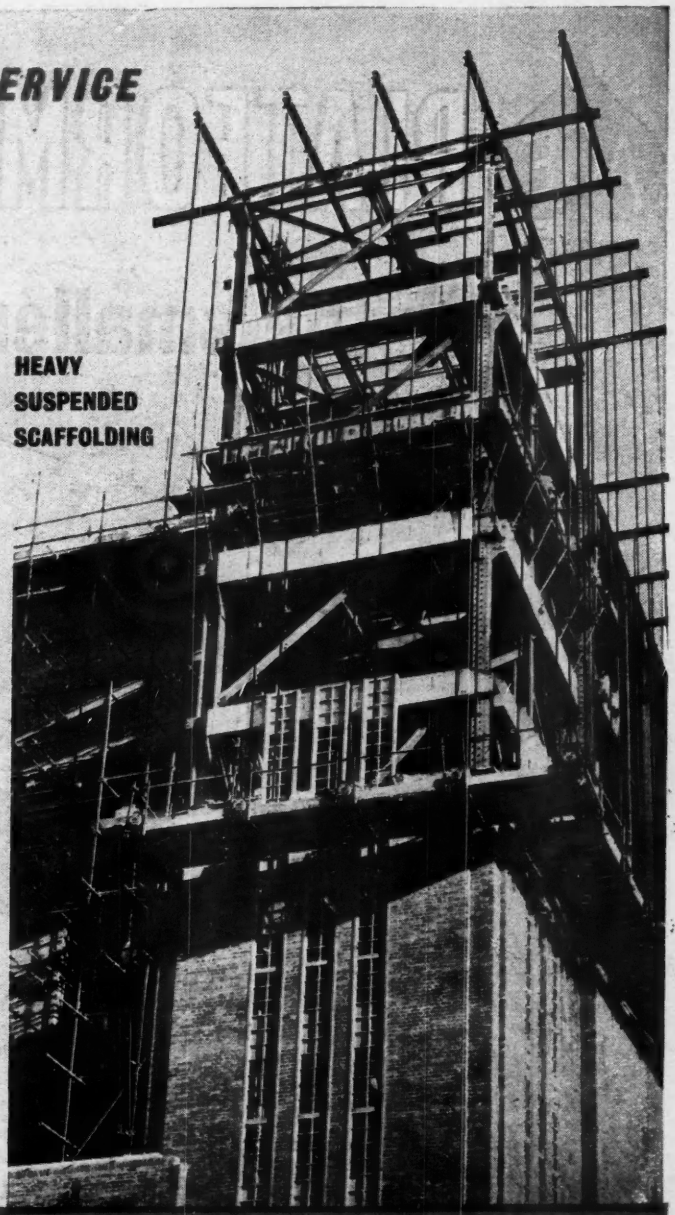

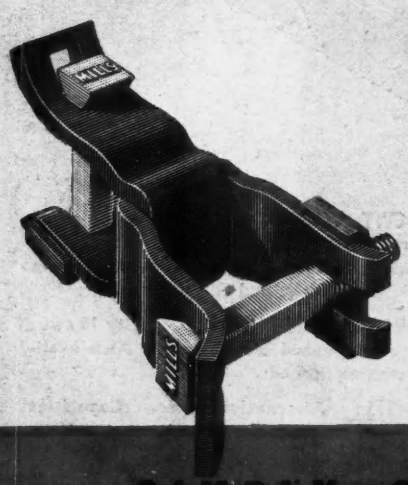

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